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SEQUENCE LISTING

<110> Breaker, Ronald R.  
Nahvi, Ali  
Sudarsan, Narasimhan  
Ebert, Margaret S.  
Winkler, Wade  
Barrick, Jeffrey E.  
Wickiser, John K.

<120> RIBOSWITCHES, METHODS FOR THEIR USE, AND  
COMPOSITIONS FOR USE WITH RIBOSWITCHES

<130> 25006.0016U2

<140> 10/669,162

<141> 2003-09-22

<150> 60/412,468

<151> 2002-09-20

<160> 410

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 202

<212> RNA

<213> Escherichia coli

<400> 1

gccgguccug ugaguuaaaua gggaauccag ugcgaaucug gagcugacgc gcagcgguaa 60  
ggaaaggugc gaugauugcg uuaugcggac acugccauuc gguggggaagu caucaucucu 120  
uaguaucuaa gauaccccuc caagcccga gaccugccgg ccaacgucgc aucugguucu 180  
caucaucgcy uauauugau ga 202

<210> 2

<211> 165

<212> RNA

<213> Escherichia coli

<220>

<221> misc\_feature

<222> 155

<223> r = a or g

<220>

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<222> 157

<223> y = c or u

<400> 2

ggaaccaaac gacucggggg gcccuucugc gugaaggcug agaaauaccc guaucaccug 60  
aucuggauaa ugccagcgua gggaagucac ggaccaccag gucauugcuu cuucacguua 120  
uggcaggagc aaacuaugca agucgaccug cuggruycag cgcaa 165

<210> 3

<211> 240

<212> RNA

<213> Escherichia coli

<220>  
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 <223> n = g, a, c or u

<400> 3  
 ggaaugcccc auuugcgggg cuaauuucuu gucggagugc cuuaacuggc ugagaccguu 60  
 uauucgggau ccgcggaacc ugaucaggcu aauaccugcg aagggaacaa gaguuaaucu 120  
 gcuaucgcau cgccccugcg gcgaucgucu cuugnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

<210> 4  
 <211> 165  
 <212> RNA  
 <213> Escherichia coli

<220>  
 <221> misc\_feature  
 <222> 65, 74, 107, 130  
 <223> s = g or c

<220>  
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 <222> 25, 26, 34, 35, 64, 75, 106, 131  
 <223> w = a or u

<400> 4  
 ggaaccaaac gacucggggu gcccwwcugc gugwggcug agaaauaccc guaucaccug 60  
 aucwsgauaa ugcswgcuua gggaagucac ggaccaccag gucauwscuu cuucacguua 120  
 uggcaggags waacuaugca agucgaccug cuggauccag cgcaa 165

<210> 5  
 <211> 176  
 <212> RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:/Note =  
 synthetic construct

<220>  
 <221> misc\_feature  
 <222> 39-156  
 <223> n = g, a, c or u

<400> 5  
 ggauaaauagc cguagguugc gaaagcgacc cugaguagnn nnnnncaaga gaagcagagg 60  
 gacuggcccg acgaagcuuc agcaaccggu guaauggcga ucagccauga ccaaggugcu 120  
 aaauccagca agcucgaaca gcuuggaagn nnnnnncgaa acgguagcga gagcuc 176

<210> 6  
 <211> 4  
 <212> RNA  
 <213> Artificial Sequence

<220>  
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<220>  
 <221> misc\_feature

<222> 4  
<223> n = g, a, c or u

<400> 6  
ggun

4

<210> 7  
<211> 6  
<212> RNA  
<213> Artificial Sequence

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synthetic construct

<220>  
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<222> 6  
<223> d = g, a or u

<220>  
<221> misc\_feature  
<222> 1-4  
<223> n = g, a, c or u

<400> 7  
nnnngd

6

<210> 8  
<211> 36  
<212> RNA  
<213> Artificial Sequence

<220>  
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synthetic construct

<220>  
<221> misc\_feature  
<222> 11, 17, 20, 25, 36  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 6, 35  
<223> r = a or g

<220>  
<221> misc\_feature  
<222> 1-3, 15, 31  
<223> y = c or u

<400> 8  
yyyucrgggc ngggygnaan ucccnaccgg yggurn

36

<210> 9  
<211> 51  
<212> RNA  
<213> Artificial Sequence

<220>

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synthetic construct

<220>

<221> misc\_feature

<222> 1, 7-9, 13, 14, 16, 18, 25, 26, 32, 33, 37, 39, 42, 43, 50,  
51

<223> n = g, a, c or u

<220>

<221> misc\_feature

<222> 38, 44

<223> r = a or g

<220>

<221> misc\_feature

<222> 17, 34

<223> y = c or u

<400> 9

ncuuaunngg agnngnynga gggannggcc cnnyganrnc cnnrgcaacn n 51

<210> 10

<211> 69

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>

<221> misc\_feature

<222> 1, 2, 10-17, 22, 25-31, 34, 40-46, 54-60, 68, 69

<223> n = g, a, c or u

<220>

<221> misc\_feature

<222> 5, 18, 67

<223> r = a or g

<220>

<221> misc\_feature

<222> 65

<223> y = c or u

<400> 10

nnucruauan nnnnnnnrau anggnnnnnn ngunucuacn nnnnnnccgu aaannnnnnn 60  
acuaygrnn 69

<210> 11

<211> 69

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>

<221> misc\_feature

<222> 1, 2, 10-17, 22, 25-31, 34, 40-46, 54-60, 68, 69

<223> n = g, a, c or u

<220>

<221> misc\_feature

<222> 5, 18, 67

<223> r = a or g

<220>

<221> misc\_feature

<222> 65

<223> y = c or u

<400> 11

nnucruauan nnnnnnnrau anggnnnnnn ngunucuacn nnnnnnccgu aaannnnnnn 60  
auuaygrnn 69

<210> 12

<211> 33

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>

<221> misc\_feature

<222> 12-17, 19-20, 25-33

<223> n = g, a, c or u

<220>

<221> misc\_feature

<222> 1, 11

<223> r = a or g

<220>

<221> misc\_feature

<222> 2

<223> w = a or u

<220>

<221> misc\_feature

<222> 8

<223> h = a or c or u

<400> 12

rwagagghgc rnnnnnnnann aguannnnnnn nnn 33

<210> 13

<211> 165

<212> RNA

<213> Bacillus subtilis

<400> 13

ggaaggacaa augaauaaag auuguauccu ucggggcagg guggaaaucc cgaccggcgg 60  
uaguaaagca cauuugcuuu agagcccgug acccgugugc auaagcacgc gguggauuca 120  
guuaaagcug aagccgacag ugaaagucug gaugggagaa ggaug 165

<210> 14  
 <211> 128  
 <212> RNA  
 <213> Arabidopsis thaliana

<400> 14  
 ggugaauuga caugcaaaag caccaggggu gcuugaacca ggauagccug cgaaaaggcg 60  
 ggcuauccgg gaccaggcug agaaaguccc uuugaaccug aacaggguuaa ugccugcgca 120  
 gggagugu 128

<210> 15  
 <211> 135  
 <212> RNA  
 <213> Oryza sativa

<220>  
 <221> misc\_feature  
 <222> 33-83  
 <223> n = g, a, c or u

<400> 15  
 ggugaauuga caugcaaaag caccaggggu gcnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
 nnnnnnnnnn nnnnnnnnnn nnngcugaga aagucccuu gaaccugaac aggauaaugc 120  
 cugcgaaggg agugu 135

<210> 16  
 <211> 135  
 <212> RNA  
 <213> Poa secunda

<220>  
 <221> misc\_feature  
 <222> 33-83  
 <223> n = g, a, c or u

<400> 16  
 ggugaauuga caugcaaaag caccaggggu gcnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
 nnnnnnnnnn nnnnnnnnnn nnngcugaga aagucccuu gaaccugaac aggauaaugc 120  
 cugcguaggg agugu 135

<210> 17  
 <211> 176  
 <212> RNA  
 <213> Neurospora crassa

<220>  
 <221> misc\_feature  
 <222> 15-123  
 <223> n = g, a, c or u

<400> 17  
 gcuaccgggu guccnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnggucuga gaaauaccgg cgaacuugau cuggauaaua ccagcgaaag gauggc 176

<210> 18  
 <211> 22  
 <212> RNA  
 <213> Arabidopsis thaliana

<220>  
 <221> misc\_feature

<222> 9

<223> d = g, a or u

<220>

<221> misc\_feature

<222> 1-7, 10-16

<223> n = g, a, c or u

<400> 18

nnnnnnngdn nnnnnncuga ga

22

<210> 19

<211> 103

<212> RNA

<213> Escherichia coli

<220>

<221> misc\_feature

<222> 12-51

<223> n = g, a, c or u

<400> 19

accaaagcagc uncgggggugn nnnnnnnnnnn nnnnncugag annnnnnnnn naauaccggu 60

aucaccugau cuggauaag ccagcguagg gaagucacgg acc 103

<210> 20

<211> 97

<212> RNA

<213> Escherichia coli

<220>

<221> misc\_feature

<222> 12-29

<223> n = g, a, c or u

<400> 20

uaauuucug uncggagugn nnnnnnnnnnc ugagaccguu uauucgggau ccgcggaacc 60

ugaucaggcu aauaccugcg aagggaacaa gaguuaa 97

<210> 21

<211> 147

<212> RNA

<213> Clostridium acetobutylicum

<220>

<221> misc\_feature

<222> 12-94

<223> n = g, a, c or u

<400> 21

auauuuuagc unaggggugn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnnc ugagaggang aaanuccaac ccuuugaacu ugauguagu 120

aaacuaccg uaggaagca gugcau 147

<210> 22

<211> 202

<212> RNA

<213> Neurospora crassa

<220>

<221> misc\_feature

<222> 19-159

<223> n = g, a, c or u

<400> 22

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caagacagcu accgggugnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnncugaga nnnnnnnnnn aauaccggnc gaacuugauc uggauaaauac 180
cagcgaaagg auuggcuucu ug 202
```

<210> 23

<211> 190

<212> RNA

<213> *Aspergillus oryzae*

<220>

<221> misc\_feature

<222> 12-137

<223> n = g, a, c or u

<400> 23

```
cuuuggcgug gngccggugn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nncugagann nnnnnnnuua uacggcuaaa acuugaucug gauaaauacca gcgaaaggggu 180
caugccuucu 190
```

<210> 24

<211> 150

<212> RNA

<213> *Fusarium oxysporum*

<220>

<221> misc\_feature

<222> 12-117

<223> n = g, a, c or u

<400> 24

```
aucaugcaug angccggugn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nncugagann nnnnnnnuua uacggcnaaa acuugaucug 120
gauaaauacca gcgaaaggau caugucaucu 150
```

<210> 25

<211> 156

<212> RNA

<213> *Fusarium solani*

<220>

<221> misc\_feature

<222> 12-113

<223> n = g, a, c or u

<400> 25

```
aucaugcaug angccggugn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnncu gagannnnnn nnnuuauacg gcngaaacuu 120
gaucuggaua auaccagcga aaggaucaug cucucc 156
```

<210> 26

<211> 133

<212> RNA

<213> *Arabidopsis thaliana*



<220>

<221> misc\_feature

<222> 12-81

<223> n = g, a, c or u

<400> 26

gcaaaagcac cnaggggugn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60  
nnnnncugag annnnnnnnn naagucccu ugaaccugaa caggguuaug ccugcgcagg 120  
gagugugcag uuu 133

<210> 27

<211> 140

<212> RNA

<213> Poa secunda

<220>

<221> misc\_feature

<222> 12-88

<223> n = g, a, c or u

<400> 27

aaaguugcac cnaggggugn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60  
nnnnnnnnnn nncugagann nnnnnnnnaa gucccuuga accugaacag gauaaugccu 120  
gcguagggag ugugcauuuc 140

<210> 28

<211> 140

<212> RNA

<213> Oryza sativa

<220>

<221> misc\_feature

<222> 12-88

<223> n = g, a, c or u

<400> 28

aaaguugcac cnaggggugn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60  
nnnnnnnnnn nncugagann nnnnnnnnaa gucccuuga accugaacag gauaaugccu 120  
gcgaagggag ugugcauuuc 140

<210> 29

<211> 214

<212> RNA

<213> Bacillus anthracis

<220>

<221> misc\_feature

<222> 26-190

<223> n = g, a, c or u

<400> 29

cggugaggua gagguugcag ucauunaagn aguannucau uucugnnngn agnnauagug 60  
nnnnnaugau ganaggaaug anngaaagga augaunnugc cgaaguaagu uguguccacc 120  
aunnngcaca cuugcugggu cugcauuuaa uaannugca gaanncuguc acaaacguuu 180  
nnnnnnnnnn cguuugugga gagcuaucga gagg 214

<210> 30

<211> 214

<212> RNA

<213> Bacillus anthracis

<220>

<221> misc\_feature

<222> 25-191

<223> n = g, a, c or u

<400> 30

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cucaaaggua gaggccgcga uaggnnaaag aguannagcu auggnnnngn agnnuuuaug 60
nnnnnaannn nnnnnnnggu unngaaaagg acuaunnugc cgaaauauaa gaauaaccac 120
nncuuauuca uauauuggga cugcauunnn gaauaaaugu aguancuguc auaagauuuu 180
nnnnnnnnnn nuuuuaugga gagcuauuug gaga 214
```

<210> 31

<211> 214

<212> RNA

<213> Bacillus anthracis

<220>

<221> misc\_feature

<222> 26-165

<223> n = g, a, c or u

<400> 31

```
cgaugaggua gagguugcga cuuuunaagn aguannaaac ggacnnnnngn agauacgaga 60
annnnngucua aganuccguu unngaaaagga aaagunnugc cgaaguuuau auuucucuc 120
unnggaaaua ugagcugggg cugugucnnu gaaanggaac agaancuguc acguuuacaa 180
aaauaccgug uaaacguggg gugcuaucuu aacg 214
```

<210> 32

<211> 214

<212> RNA

<213> Bacillus halodurans

<220>

<221> misc\_feature

<222> 16-189

<223> n = g, a, c or u

<400> 32

```
agugaggua gagguncaa aaaccnaagn aguanncaca auunnnnggn agnnagagaau 60
gaganuccgu ugagaaugu gnnгааaggг gaannuuugc cgaagcugga agaaucucau 120
nnnnnguucug aaggcugggu cuguauunnn aaauaaauc agaancuguc auauagcgga 180
ugunnnnnnu gcuaauugga gggcuauuc acgc 214
```

<210> 33

<211> 214

<212> RNA

<213> Bacillus halodurans

<220>

<221> misc\_feature

<222> 16-187

<223> n = g, a, c or u

<400> 33

```
agugauggua gagguncaa aaaccnaagn aguacnacag ucnnnugagn agnaaaugag 60
aaucguugac nnnnnngacug uuggaaaaggг ggannuucgc cgaagugcag aucggggcuc 120
aunucccau ugcgcuggac cuauguunnn gaauaagcau agggncuguc acaacacuag 180
ccccaancau gugcugugga gaacuaucuc acgu 214
```

<210> 34

<211> 214

<212> RNA  
<213> Bacillus halodurans

<220>  
<221> misc\_feature  
<222> 16-191  
<223> n = g, a, c or u

<400> 34  
agauggggua gaggangcgg guuuunaagn aguaangcgc uugnnnnnngn aggaugacaa 60  
nnnnncgagg annnuaagcg cncgaaagga aaanncucgc cgaagcggaa gaugagucac 120  
gnnncgucuu cuugcugggg uugcauunnn gaauaaaugu aacancuguc acagcagaun 180  
nnnnnnnnnn nugcugugga gaacuacuaa cgau 214

<210> 35  
<211> 214  
<212> RNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 16-191  
<223> n = g, a, c or u

<400> 35  
ggugaagaua gaggungcga acuucnaagn aguaungccu uunnnnnnggn agnaaagau 60  
gannnuucug ugaanaaagg cnugaaaggg gagcgncgc cgaagcaau aaaaccccau 120  
cnngguauua uuugcuggcc gugcauunnn gaauaaaugu aaggncuguc aagaaaucau 180  
nnnnnnnnnn nuuucuugga gggcuacuc guug 214

<210> 36  
<211> 214  
<212> RNA  
<213> Clostridium acetobutylicum

<220>  
<221> misc\_feature  
<222> 16-165  
<223> n = g, a, c or u

<400> 36  
accuuuugua gaggungcuu uaagucaagn aguaanccgu uugnnnnnngn agnnuuggca 60  
nnnnnaacuu aganugaacg gnuaaaaggg gcuuuunagc cgaagcauu agauuggcan 120  
nnnngauua uuugcuggcu uuucauann caacauauga auggncuguc acuuuauuag 180  
uuaguauua gguaagugga gcgcuaacaag guac 214

<210> 37  
  
<211> 215  
<212> RNA  
<213> Clostridium perfringens

<220>  
<221> misc\_feature  
<222> 16-193  
<223> n = g, a, c or u

<400> 37  
gaccaaagua gaggungccg uaaunaagn aguannguca uannnnnagu agnncugaca 60  
nnnnnagnnn nnnnnnuaug aunngaaagg gauunnaugg ccgaagagau auuaauggug 120  
nnnnnauuaa uauuucuggg uauauguaun nnaunaugc auuaaacugu cacuuugaaa 180

nnnnnnnnnn nnnaaagugg agugcuacaa gguac

215

&lt;210&gt; 38

&lt;211&gt; 214

&lt;212&gt; RNA

&lt;213&gt; Clostridium perfringens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 16-192

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 38

aacugagaua gaggcngcga ugauunaun aguannucuu ugcnnnnagn agnnguaagc 60

annnnauuga annnngcaaa gnugaaagga ugannaucgc cgaaaccuu agaagaggcu 120

uuaauucuu uagguugggg uugcauannn gaauauaugu aacancuguc acaaaauaun 180

nnnnnnnnnn nnuuuguggu gugcaucau gaaa 214

&lt;210&gt; 39

&lt;211&gt; 214

&lt;212&gt; RNA

&lt;213&gt; Clostridium perfringens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 16-194

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 39

aaaagaggua gaggcngcga gaucnaagn auuanncuaa aaunnnnggn agnnuuaagu 60

nnnnnagcu agaaguuuua gnngaaaggg auuaunncgc cgaaguuuuu ggcuaauacu 120

uuaanggcua aaucugggg uuguauannn gaauauauac aacancuguc acaaaannnn 180

nnnnnnnnnn nnnnugugga gagcaucau cuua 214

&lt;210&gt; 40

&lt;211&gt; 225

&lt;212&gt; RNA

&lt;213&gt; Escherichia coli

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 16-204

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 40

caggccagaa gaggcngcgu ugcccnannn aguaacggug uugnnnnngn agnngagcca 60

gnnnnucug uganuaacac cnnnnnuggg ggugcaucgc cgaggugauu gaacggcugg 120

ccanncguc aucaucggcu acaggggncu gaauncccu gggnnuuguc accannnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnuggugg agcacuucug gguga 225

&lt;210&gt; 41

&lt;211&gt; 214

&lt;212&gt; RNA

&lt;213&gt; Haemophilus influenzae

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 16-191

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 41

uacaaaagua gaggcngcaa uuauunauan aguannuuuu uucnnnnnagn agnnuggaua 60  
 annnncgaag aanngaaaaa anngaaagga auagunnugc cgaaaaucaaa uaaaagucgn 120  
 nnnnuuuugu uugguuggug gcgugcucnn gaaanggggc gacancuguc auaguuuuuc 180  
 ugauunnnnn naacuaugga gugcuacggu uguu 214

<210> 42  
 <211> 215  
 <212> RNA  
 <213> *Oceanobacillus iheyensis*

<220>  
 <221> misc\_feature  
 <222> 16-192  
 <223> n = g, a, c or u

<400> 42  
 guuuuggaua gaggungcgg agaccnaucn aguannuaua cgcnnnnnga agnnggaaau 60  
 gagnnccnnn nnnnnngcua ugnngaaagg ggaannucug ccgaagcgag ugaaaauacuc 120  
 aucauuann acucguuggu gcugcuauun ngaacaaaua acaguccugu cauauaggag 180  
 annnnnnnnn nncuaauagg agggcuauuc agcug 215

<210> 43  
 <211> 214  
 <212> RNA  
 <213> *Oceanobacillus iheyensis*

<220>  
 <221> misc\_feature  
 <222> 16-192  
 <223> n = g, a, c or u

<400> 43  
 ucggugggua gaggangcau acaacnauun aguannaucg acnnnnaagn aggaugacaa 60  
 nnnnncgaug auannguugg unnggaaggg uuguunnugc cgaagcauaa uaaggguacag 120  
 annncuuauu auugcuggua caucuunnnn gaauaaaaga ugcancuguc augcaaaaau 180  
 aagnnnnnnn nnugcaugga gaacuacuga ucga 214

<210> 44  
 <211> 214  
 <212> RNA  
 <213> *Pasteurella multocida*

<220>  
 <221> misc\_feature  
 <222> 16-192  
 <223> n = g, a, c or u

<400> 44  
 uacuugugua gaggangcga ucacunaauan aguannuuuu uucunnnnngn agnnuggaua 60  
 annnncgaag annggaaaaa gnngaaagga gugacnncgc cgaaaaucau ugaaagucan 120  
 nnnnuuuuga uugguuggug gcguauucnn gaaanggaac gucanuuguc auagucuuuu 180  
 uuaannnnnn nnacuaugga gcgcuacugg uugg 214

<210> 45  
 <211> 214  
 <212> RNA  
 <213> *Staphylococcus aureus*

<220>  
 <221> misc\_feature  
 <222> 16-191

<223> n = g, a, c or u

<400> 45

```

auauuuugau gaggcngcau caaucnaugn aguannaagu uuannnnngn aunnuacugu 60
cugcnuuaca gcnnugaauu unngaaaagg ugcnnngaugc cgaagcgauu auauuagcan 120
nnnguuaaua uuuguuggac uuuuuggunn uaagagcuga gagunuuguc auuauuuaua 180
nnnnnnnnnn naauaaugga gugcaucacu ugua 214

```

<210> 46

<211> 216

<212> RNA

<213> *Staphylococcus aureus*

<220>

<221> misc\_feature

<222> 26-196

<223> n = g, a, c or u

<400> 46

```

aaugaguuu gagguugcau guuuanauun aguannacuu gunnnncaga agnnuauuuu 60
uggnnuannn nnnnnnnnaca agunngaaag guaaagnnau gccgaaauag auauaaacca 120
uaaannnuua uaucuauugg gacaguuuun ncgaauagga acuguanucg ucacagaann 180
nnnnnnnnnn nnnnnnnugug augugcuacc uuauau 216

```

<210> 47

<211> 214

<212> RNA

<213> *Staphylococcus epidermidis*

<220>

<221> misc\_feature

<222> 16-192

<223> n = g, a, c or u

<400> 47

```

agauuuugau gaggcngcau caaucnaugn aguannaacu uuannnnngn aunnuauuuug 60
ucugcuaaca auuauagagu unnaaaaggg uganngaugc cgaaaugauu cauaauagca 120
nnnguuauga aucguuggac uuaauggunn uaagagcuau aagunuuguc auuauuuaua 180
annnnnnnnn nnauaaugga gugcaucacu ugua 214

```

<210> 48

<211> 216

<212> RNA

<213> *Staphylococcus epidermidis*

<220>

<221> misc\_feature

<222> 26-196

<223> n = g, a, c or u

<400> 48

```

aaauaguuu gagguugcau uauuanaugn acuannacuu aunnnncaga agnnucguau 60
ggnnngannn nnnnnnnnaua agunngaaag guauauaunn gccgaaauga uguuauuuucc 120
aunnaaaaua gcauuguugg gacaacuuun ncgaauagaa guuguancug ucacuuuann 180
nnnnnnnnnn nnnnnnnugug augugcuacc uuauau 216

```

<210> 49

<211> 225

<212> RNA

<213> *Shigella flexneri*

<220>

<221> misc\_feature

<222> 16-204

<223> n = g, a, c or u

<400> 49

```
caggccagaa gaggcngcgu ugcccnaannn aguaacggug uugnnnnnngn agnngagcca 60
gnnnnuccug uganuaacac cnnnugaggg ggugcaucgc cgaggugauu gaacggcugg 120
ccanncgauu aucaucggcu acaggggncu gaauncccu gggnnuuguc accannnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnuggug agcacuucug gguga 225
```

<210> 50

<211> 214

<212> RNA

<213> *Shewanella oneidensis*

<220>

<221> misc\_feature

<222> 16-194

<223> n = g, a, c or u

<400> 50

```
aggaacagaa gaggangcgu uaacunaannn gguannguca aucangagggn agcacaaacu 60
ccagcgannn nnnugauuga unnnagaggga ganuuagcgc cgaggcauag augugguugc 120
ugnncauguu uaugucgguc gcuuaggncu gaaunccuaa cgannuuguc accuguaauu 180
nnnnnnnnnn nnnnggugga gagcuucugg ugac 214
```

<210> 51

<211> 214

<212> RNA

<213> *Shewanella oneidensis*

<220>

<221> misc\_feature

<222> 16-192

<223> n = g, a, c or u

<400> 51

```
ccuuuaagua gaggcngcgc ugccunaugn acuanncuug ugcgnnnnngn agnnggugau 60
gnnnnccgca ganuguacaa gnngaaagga gunncagcgc cgaaguagcc aggucaucaa 120
nnnnnnnaccg agcgcugguu uugcauncau auagnugca aganncugcc auagucaucc 180
nnnnnnnnnn nnacuaugga gcgcuaaccug aagg 214
```

<210> 52

<211> 218

<212> RNA

<213> *Thermatoga maritima*

<220>

<221> misc\_feature

<222> 16-194

<223> n = g, a, c or u

<400> 52

```
ugaccgcagc gaggcngcgc ccgagnaugn aguannggcu gucccnnnnn nngnaggauu 60
cgnnnnnnnn nnnnnnggga cggcunngaa aggcgagggn ncgccgaagg gugcagaguu 120
ccucccngcu cugcaugccu ggggguaugg gnnngaauac ccuauaccanc ugucacggag 180
gucnnnnnnn nnnnucuccg uggagagccg aucggguc 218
```

<210> 53  
 <211> 215  
 <212> RNA  
 <213> Thermoanaerobacter tengcongensis

<220>  
 <221> misc\_feature  
 <222> 16-188  
 <223> n = g, a, c or u

<400> 53  
 aggugaggua gaggcngcgg gucaucaagn aguannacau gccnnnnagn agnnguguua 60  
 nnnnnagnnn nnnnnnnggu gugunngaaa ggggugnncc cgccgaagcg cguaaacuuc 120  
 cuuanagguu uacgcagcug ggcuaugccn nngaacaguu auaggancug ucacucaagg 180  
 cuccccangg ccuucagugg agagcuaucu cgcua 215

<210> 54  
 <211> 218  
 <212> RNA  
 <213> Thermoanaerobacter tengcongensis

<220>  
 <221> misc\_feature  
 <222> 16-195  
 <223> n = g, a, c or u

<400> 54  
 cgcauaaaaua gaggangcug ccaagcaunn nguauuuggc gagnnnnnnn nnngaagaac 60  
 cuccaauann nnnnnnnnnc ucgcugnaag aagguuuggc nnugccgaaa gggugagcuu 120  
 guucunnnug agcucauccu uggugguaaaa cnnnacaaan guuuaccanc ugucauggga 180  
 ccnnnnnnnn nnnnnuccca ugaagcgcua uuuauugca 218

<210> 55  
 <211> 214  
 <212> RNA  
 <213> Vibrio cholerae

<220>  
 <221> misc\_feature  
 <222> 16-192  
 <223> n = g, a, c or u

<400> 55  
 ucuagcagaa gaggangcac ugcccnaggc agnauguuuu gugnnnnngn agccucaacu 60  
 ccaannnnnn nnnnuacaga acauucaggg ggaguagugc cgaggugaau caaaguugun 120  
 nnggcuuugg uuuaucgggu gaacgggncu gaauncccu caanncuguc aucagcucga 180  
 aunnnnnnnn nncugaugaa gagcuucuga ggga 214

<210> 56  
 <211> 214  
 <212> RNA  
 <213> Vibrio cholerae

<220>  
 <221> misc\_feature  
 <222> 16-192  
 <223> n = g, a, c or u

<400> 56  
 uuucgccgua gaggangcgg uuacgnaaan aguannucca caguunnnngn ggngugaugc 60



nnnnncaaug nnaauugugg annaaaaggg guunngccgc cgaagucaac uugcccaunn 120  
 nncaacgcag uuggcugggg uuacauunnn caauaggugu aacancugcc auagucuaua 180  
 uuguuguuaa nnacuaugga gcgcuacugu aggg 214

<210> 57  
 <211> 214  
 <212> RNA  
 <213> *Vibrio cholerae*

<220>  
 <221> misc\_feature  
 <222> 16-193  
 <223> n = g, a, c or u

<400> 57  
 ccuuuaagua gaggcngcgc uguucnaugn agucgnccag ucnnnnnnngu agnguugacc 60  
 ccnnngaugn nnnaugacug gnuuaaaggg unnacagcgc cgaagugauc guugcgucan 120  
 nnnnncaacg uucgcugggg cagcauunnn gaacaaaugc cggancugcc auaguguguu 180  
 gunnnnnnnn nnncuaugga gcgcuaccuu gaag 214

<210> 58  
 <211> 214  
 <212> RNA  
 <213> *Vibrio vulnificus*

<220>  
 <221> misc\_feature  
 <222> 16-190  
 <223> n = g, a, c or u

<400> 58  
 uuuugcagaa gaggangcac ugcccnaggg agnauguuuu gugnnnnnngn agccgcaacu 60  
 ccaannnnnnn nnnncacaga acauucaggg ggaguagugc cgagguagau caaaaauugca 120  
 nnngauuuga ucugucgggu gacuuggguu gagunccau caanncuguc aucagcucan 180  
 nnnnnnnnnn gccugaugaa gagcuucuga gaug 214

<210> 59  
 <211> 214  
 <212> RNA  
 <213> *Vibrio vulnificus*

<220>  
 <221> misc\_feature  
 <222> 16-192  
 <223> n = g, a, c or u

<400> 59  
 uaucgacgua gaggcngcaa ugguanaagn aguannacua uuauunnnngn ggnngugaun 60  
 nnnnnngcaa ugaauaauag unngaaaggu aunccauugc cgaagugaau ugcauaucaa 120  
 annnnnngcag uuugcugggg uugcauccnn gaaanggaac aacancugcc auaguauuuu 180  
 auguauannn nnacuaugga gcgcuacugu aggu 214

<210> 60  
 <211> 23  
 <212> RNA  
 <213> *Bacillus subtilis*

<220>  
 <221> misc\_feature  
 <222> 11-16, 18-19

<223> n = g, a, c or u

<220>

<221> misc\_feature

<222> 1, 10

<223> r = a or g

<220>

<221> misc\_feature

<222> 2

<223> w = a or u

<400> 60

rwagagggcr nnnnnnnann agua

23

<210> 61

<211> 237

<212> RNA

<213> Bacillus subtilis

<400> 61

aaauucauag uuagaucgug uuauauggug aagauagagg ugcgaacuuc aagaguaugc 60  
 cuuuggagaa agauggauuc ugugaaaaag gcugaaaggg gagcgucgcc gaagcaaaaua 120  
 aaaccccauc gguauuuuuu gcuggccgug cauugaauaa auguaaggcu gucaagaaau 180  
 cauuuucug gagggcuauc ucguuguuca uaucauuua ugaugauuaa uugauaa 237

<210> 62

<211> 239

<212> RNA

<213> Bacillus subtilis

<220>

<221> misc\_feature

<222> 11

<223> r = a or g

<220>

<221> misc\_feature

<222> 78, 117, 177, 210, 232

<223> s = g or c

<220>

<221> misc\_feature

<222> 10

<223> v = g, c or a

<220>

<221> misc\_feature

<222> 123, 176, 211, 231

<223> w = a or u

<220>

<221> misc\_feature

<222> 167

<223> y = c or u

<400> 62

gaagauagav rugcgaacuu caagaguaug ccuuuggaga aagauggauu cugugaaaaa 60  
 ggcugaaagg ggagcgusgc cgaagcaaaau aaaaccccau cgguauuuuu ugcuggscgu 120  
 gcwuugaaua aauguaaggc ugucaagaaa ucauuuucuu ggaggggyuau cucguwsuuc 180  
 auaaucauuu augaugauua auugauaags waugagagua uuccucucau wscuuuuuu 239

<210> 63  
 <211> 82  
 <212> RNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 31-68  
 <223> n = g, a, c or u

<400> 63  
 caucccuuuc guauauacuu ggagauaagg nuccaggagu uucuaccaga ucaccguaaa 60  
 ugaucugnac uaugaaggug ga 82

<210> 64  
 <211> 82  
 <212> RNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 31-68  
 <223> n = g, a, c or u

<400> 64  
 acaucauuuc guauaauggc aggaauaggg nccugcgagu uucuaccaag cuaccguaaa 60  
 uagcuugnac uacgaaaaua au 82

<210> 65  
 <211> 82  
 <212> RNA  
 <213> Bacillus halodurans

<220>  
 <221> misc\_feature  
 <222> 31-68  
 <223> n = g, a, c or u

<400> 65  
 aaaguaccuc auauaaucuu gggauaugg ncccaaagu uucuaccugc ugaccguaaa 60  
 ucggcggnac uauggggaaa ga 82

<210> 66  
 <211> 82  
 <212> RNA  
 <213> Bacillus halodurans

<220>  
 <221> misc\_feature  
 <222> 16, 31, 52-53, 66-67  
 <223> n = g, a, c or u

<400> 66  
 aacacucuuc guauanuuccu cucaauaugg ngaugaggggu cucuacaggu annccguaaa 60  
 uaccunnagc uacgaaaaga au 82

<210> 67  
 <211> 82

```

<212> RNA
<213> Bacillus halodurans

<220>
<221> misc_feature
<222> 31-68
<223> n = g, a, c or u

<400> 67
aaaagcacuc guauaaucgc gggaaauagg ncccgcaagu uucuaccagg cugccguaaa 60
cagccugnac uacgagugau ac 82

<210> 68
<211> 82
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> 31-68
<223> n = g, a, c or u

<400> 68
agaugaauc guauaaucgc gggaaauagg ncucgcaagu cucuaccaag cuaccguaaa 60
uggcugnac uacguaaaca uu 82

<210> 69
<211> 82
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> 31-68
<223> n = g, a, c or u

<400> 69
acacgaccuc auauaaucuu gggaaauagg ncccauaggu uucuaccggg caaccguaaa 60
uugccggnac uaugcaggaa ag 82

<210> 70
<211> 82
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> 31-68
<223> n = g, a, c or u

<400> 70
aggaacacuc auauaaucgc guggauaugg ncacgcaagu uucuaccggg canccguaaa 60
nuguccgnac uaugggugag ca 82

<210> 71
<211> 82
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature

```

<222> 31-68

<223> n = g, a, c or u

<400> 71

agacauucuu guauaugauc aguaauaugg nucugauugu uucuaccuag uaaccguaaa 60  
aaacuagnac uacaagaaag uu 82

<210> 72

<211> 82

<212> RNA

<213> Bacillus subtilis

<220>

<221> misc\_feature

<222> 31-68

<223> n = g, a, c or u

<400> 72

auauacacuu guauaaccuc aaauauaugg nuuugagggg gucuaccagg aanccguaaa 60  
auccugnau uacaaaauuu gu 82

<210> 73

<211> 82

<212> RNA

<213> Clostridium acetobutylicum

<220>

<221> misc\_feature

<222> 16-68

<223> n = g, a, c or u

<400> 73

uaauuuucuc guauancacc gguaauaugg nuccggaagu uucuaccugc ugnccauaaa 60  
nuagcagnac uacggggugu ua 82

<210> 74

<211> 82

<212> RNA

<213> Clostridium acetobutylicum

<220>

<221> misc\_feature

<222> 31-68

<223> n = g, a, c or u

<400> 74

cauauuaccc guauaugcuu agaaauaugg nucuaagcgu cucuaccgga cugccguaaa 60  
uugucugnac uauggggugu ua 82

<210> 75

<211> 82

<212> RNA

<213> Clostridium acetobutylicum

<220>

<221> misc\_feature

<222> 16-68

<223> n = g, a, c or u

<400> 75

aguuuuacuc auauanuuc cugaauaugg nncaggaugu uucuacaagg aanccuuaaa 60  
nuuucuunac uaugagugau uu 82

<210> 76

<211> 82

<212> RNA

<213> Clostridium perfringens

<220>

<221> misc\_feature

<222> 31-68

<223> n = g, a, c or u

<400> 76

uaaguauauc guauaugcuc gacgauaugg nguugagugu uucuacuagg aggccguaaa 60  
cauccuanac uacgaauaua ua 82

<210> 77

<211> 82

<212> RNA

<213> Clostridium perfringens

<220>

<221> misc\_feature

<222> 31-68

<223> n = g, a c or u

<400> 77

auuuuacuc guauauaauc gguaauaugg nuccgaaagu uucuaccugc uaaccguaaa 60  
auagcagnac uacgaggagu ug 82

<210> 78

<211> 82

<212> RNA

<213> Clostridium perfringens

<220>

<221> misc\_feature

<222> 16-68

<223> n = g, a, c or u

<400> 78

aaacaaacuc guauanagcu uugaauaagg nncaaggcgu uucuaccgga aanccuuaaa 60  
nuuuccgnuc uaugagugaa uu 82

<210> 79

<211> 82

<212> RNA

<213> Clostridium perfringens

<220>

<221> misc\_feature

<222> 31-68

<223> n = g, a, c or u

<400> 79

auuuugcuuc guauaacucu aaugauaugg nauuagaggu cucuaccaag aanccgagaa 60  
nuucuugnau uacgaagaaa gc 82

<210> 80

<211> 82

```

<212> RNA
<213> Fusobacterium nucleatum

<220>
<221> misc_feature
<222> 16-61
<223> n = g, a, c or u

<400> 80
auaaaaauuc guauanagcc uaauauaugg nnaagggugu ccuacgguu aanccauaaa 60
nuuaaccagc uacgaaaaau gu                                         82

<210> 81
<211> 82
<212> RNA
<213> Lactococcus lactis

<220>
<221> misc_feature
<222> 16-68
<223> n = g, a, c or u

<400> 81
acaauuuau uuauannncc uaggauaugg nncugggcgu uucuaccucg uanccguaaa 60
nugcgagnac aaauaggaaa uu                                         82

<210> 82
<211> 82
<212> RNA
<213> Listeria monocytogenes

<220>
<221> misc_feature
<222> 31-68
<223> n = g, a, c or u

<400> 82
uaauauaguc guauaaguuc gguaauaugg naccguucgu uucuaccagg caaccguaaa 60
augccagngc uacgagcuau ug                                         82

<210> 83
<211> 82
<212> RNA
<213> Listeria monocytogenes

<220>
<221> misc_feature
<222> 27-68
<223> n = g, a, c or u

<400> 83
cgaaaauacu guauauagu ugcgaunugg ngcgacgagu uucuaccugg uuaccguaaa 60
uaaccggnac uaugaguagu uu                                         82

<210> 84
<211> 82
<212> RNA
<213> Oceanobacillus iheyensis

<220>
<221> misc_feature

```

<222> 31-68

<223> n = g, a c or u

<400> 84

aaugccuuuc guauauccuc gauaauaugg nuucgaaagu aucuaccggg ucaccguaaa 60  
ugaucugnac uaugaaggca ga 82

<210> 85

<211> 82

<212> RNA

<213> Oceanobacillus iheyensis

<220>

<221> misc\_feature

<222> 31-68

<223> n = g, a, c or u

<400> 85

auagaaugc guauaaauaa ggggauaugg nccccacagu uucuaccaga ccaccguaaa 60  
ugguuugnac uacgcaguaa uu 82

<210> 86

<211> 82

<212> RNA

<213> Oceanobacillus iheyensis

<220>

<221> misc\_feature

<222> 31-68

<223> n = g, a, c or u

<400> 86

aaugaaccuc auauaaauuu gagaauaugg ncucagaagu uucuaccag canccguaaa 60  
uggcuggnac uaugagggaa ga 82

<210> 87

<211> 82

<212> RNA

<213> Oceanobacillus iheyensis

<220>

<221> misc\_feature

<222> 31-68

<223> n = g, a, c or u

<400> 87

uaguuuuuc auauaaucgc ggggauaugg nccugcaagu uucuaccggu uuaccguaaa 60  
ugaaccgnac uauggaaaag cg 82

<210> 88

<211> 82

<212> RNA

<213> Staphylococcus aureus

<220>

<221> misc\_feature

<222> 68

<223> n = g, a, c or u



<400> 88  
 acauaaacuc auauaaucua aagaauaugg cuuuagaagu uucuaccaug uugccuugaa 60  
 cgacaugnac uaugaguaac aa 82

<210> 89  
 <211> 82  
 <212> RNA  
 <213> Staphylococcus epidermidis

<220>  
 <221> misc\_feature  
 <222> 68  
 <223> n = g, a, c or u

<400> 89  
 uauaugacuc auauaaucua gagaauaugg cuuuagaagu uucuaccgug ugcaccauaaa 60  
 cgacacgnac uaugaguaac aa 82

<210> 90  
 <211> 82  
 <212> RNA  
 <213> Streptococcus agalactiae

<220>  
 <221> misc\_feature  
 <222> 16-67  
 <223> n = g, a, c or u

<400> 90  
 ugauuuacuu auuuanugcu gaggaunugg nncuuagcgu cucuacaaga canccgunaa 60  
 nugucunaac aauaaguaag cu 82

<210> 91  
 <211> 82  
 <212> RNA  
 <213> Streptococcus pyogenes

<220>  
 <221> misc\_feature  
 <222> 16-67  
 <223> n = g, a, c or u

<400> 91  
 ugacauacuu auuuanugcu gugaaunugg nncgcagcgu cucuacaaga canccnuuaa 60  
 nugucunaac aauaaguaag cu 82

<210> 92  
 <211> 82  
 <212> RNA  
 <213> Streptococcus pneumoniae

<220>  
 <221> misc\_feature  
 <222> 16-67  
 <223> n = g, a, c or u

<400> 92  
 cguuuuacuu guuuanuguc gugaaunugg nncacgacgu uucuacaagg ugnccnggaa 60  
 ncaccunaac aauaaguaag uc 82

<210> 93  
 <211> 82  
 <212> RNA  
 <213> Thermoanaerobacter tengcogensis

<220>  
 <221> misc\_feature  
 <222> 31-68  
 <223> n = g, a, c or u

<400> 93  
 agaagcacuc auauaaucucc gagaauaugg ncucgggagu cucuaccgaa caaccguaaa 60  
 uuguucgnac uaugagugaa ag 82

<210> 94  
 <211> 82  
 <212> RNA  
 <213> Vibrio vulnificus

<220>  
 <221> misc\_feature  
 <222> 31-68  
 <223> n = g, a, c or u

<400> 94  
 ucaacgcuuc auauaaucucc aaugauaugg nuuugggagu uucuaccaag agnccuuaaa 60  
 ncucuugnau uaugaagucu gu 82

<210> 95  
 <211> 69  
 <212> RNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 1-69  
 <223> n = g, a, c or u

<220>  
 <221> misc\_feature  
 <222> 5, 18, 67  
 <223> r = a or g

<220>  
 <221> misc\_feature  
 <222> 65  
 <223> y = c or u

<400> 95  
 nnucruauan nnnnnnnrau auggnnnnnn ngunucuacc nnnnnnccgu aaannnnnnng 60  
 acuaygrnn 69

<210> 96  
 <211> 201  
 <212> RNA  
 <213> Bacillus subtilis

<400> 96  
 gggaauauaa uaggaacacu cauauaaucg cguggauaug gcacgcaagu uucuaccggg 60  
 caccguaaaau guccgacuau gggugagcaa uggaaccgca cguguacggg uuuuugugau 120  
 aucagcauug cuugcucuuu auuugagcgg gcaaugcuuu uuuuauucuc auaacggagg 180

uagacaggau ggauccacug a

201

<210> 97  
 <211> 93  
 <212> RNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 20  
 <223> k = g or u

<220>  
 <221> misc\_feature  
 <222> 19, 32, 44, 58, 59, 73, 74, 82, 83  
 <223> s = g or c

<220>  
 <221> misc\_feature  
 <222> 18, 25, 26, 33, 43, 84

<223> w = a or u

<400> 97  
 gggaaauaaa uaggaacwsk cauawwau cg cswggauaug gcwsgcaagu uucuaccssg 60  
 caccguaaaau gussgacua u gsswgagcaa ugg 93

<210> 98  
 <211> 51  
 <212> RNA  
 <213> Bacillus subtilis

<221> misc\_feature  
 <222> 8, 13-14, 26, 32-33, 37, 41-42, 50-51  
 <223> n = g, a, c or u

<220>  
 <221> misc\_feature  
 <222> 18, 38, 44  
 <223> r = a or g

<220>  
 <221> misc\_feature  
 <222> 1, 17, 25, 34  
 <223> y = c or u

<400> 98  
 ycuuau cnag agnnggyrga gggaynggcc cnnyganrcc nncrgcaacn n 51

<210> 99  
 <211> 251  
 <212> RNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 152-251  
 <223> n = g, a, c or u

<400> 99  
 ggacuuccug acacgaaaa uucauauc cg uucuuauc aa gagaagcaga gggacuggcc 60

```
cgacgaagcu ucagcaaccg guguaauggc gaucagccau gaccaaggug cuaaauccag 120
caagcucgaa cagcuuggaa gauaagaaga gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn n 251
```

```
<210> 100
<211> 124
<212> RNA
<213> Bacillus subtilis
```

```
<220>
<221> misc_feature
<222> 106
<223> k = g or u
```

```
<220>
<221> misc_feature
<222> 13, 14, 46, 47
<223> r = a or g
```

```
<220>
<221> misc_feature
<222> 19, 42, 97
<223> s = g or c
```

```
<220>
<221> misc_feature
<222> 98
<223> v = g, c or a
```

```
<220>
<221> misc_feature
<222> 8, 9, 17, 18, 43, 44, 116, 117
<223> w = a or u
```

```
<220>
<221> misc_feature
<222> 84, 85
<223> y = c or u
```

```
<400> 100
ggguucuwu carragwwsc agagggacug gcccgacgaa gswwcrcaa ccgguguaau 60
ggcgaucagc caugaccaag gugyyaauc cagcaasvuc gaacakuug gaagawwaga 120
agag 124
```

```
<210> 101
<211> 245
<212> RNA
<213> Bacillus subtilis
```

```
<220>
<221> misc_feature
<222> 186-245
<223> n = g, a, c or u
```

```
<220>
<221> misc_feature
<222> 149, 160, 177
<223> s = g or c
```

<220>

<221> misc\_feature

<222> 148, 161, 176

<223> w = a or u

<400> 101

```

ggucagaaaa auugaaaucg auauuucuua ucgugagagg uggagggacu ggcccuuaga 60
aaccucagca accggcuugu uuugcauuug caaagcgcca aggugcuaaa uccagcaagc 120
guuuuuuauug cuuggaagau aagaagawsc guuaaaccs wucuucuau gaagawsggg 180
uuuuunnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnn                                             245

```

<210> 102

<211> 167

<212> RNA

<213> Bacillus subtilis

<400> 102

```

gguacaauuc aaaaacuau caagagcggc ugagggacug gaccuaugaa gcccggcaac 60
cugcauaguu uguaaggugc uacuuccagc aaaaugaauu ccauuuugaa agauaagggc 120
ugcaugcugu uccugucuuu cuuuccgccg gauugaaagu uuuuuuu 167

```

<210> 103

<211> 160

<212> RNA

<213> Bacillus anthracis

<400> 103

```

ggagcuuauc aagagaagcg gagggaacug gcccggcgaa gcucggcaac cugcuuauag 60
aaagcaaggu gcuaaaacca gcaaaaugga auccauuuug aaagauaagg uaaaauauau 120
uaccgaacag ucuuuucgaa augggaaaga uuuuuuuau 160

```

<210> 104

<211> 80

<212> RNA

<213> Bacillus subtilis

<400> 104

```

acacgaccuc auauaaucuu gggaauaugg cccauaaguu ucuaccgggc aaccguaaaau 60
ugccggacua ugcaggaaag                                             80

```

<210> 105

<211> 80

<212> RNA

<213> Bacillus subtilis

<220>

<221> misc\_feature

<222> 52-60

<223> n = g, a, c or u

<400> 105

```

aggaacacuc auauaaucgc guggauaugg cacgcaaguu ucuaccgggc anccguaaan 60
uguccgacua ugggugagca                                             80

```

<210> 106

<211> 80

<212> RNA

<213> Bacillus subtilis

```

<220>
<221> misc_feature
<222> 52, 60
<223> n = g, a, c or u

<400> 106
auuaucauu guauaaccuc aaauauaugg uuugagggug ucuaccagga anccguaaan 60
auccugauua caaaauuugu 80

<210> 107
<211> 80
<212> RNA
<213> Clostridium perfringens

<220>
<221> misc_feature
<222> 52, 60
<223> n = g, a, c or u

<400> 107
auuugcuuc guauaacucu aaugauaugg auuagagguc ucuaccaaga anccgagaan 60
uucuugauua cgaagaaagc 80

<210> 108
<211> 80
<212> RNA
<213> Vibrio vulnificus

<220>
<221> misc_feature
<222> 52, 60
<223> n = g, a, c or u

<400> 108
ucaacgcuuc auauaaucuu aaugauaugg uuugggaguu ucuaccaaga gnccuuaaan 60
cucuugauua ugaagucugu 80

<210> 109
<211> 69
<212> RNA
<213> Bacillus subtilis

<400> 109
cacucauaua aucgcgugga uauggcacgc aaguuuacuac cgggcaccgu aaauguccga 60
cuaugggug 69

<210> 110
<211> 63
<212> RNA
<213> Bacillus subtilis

<400> 110
uuguauaacc ucaauauau gguuugaggg ugucuaccag gaaccguaaa auccugauua 60
caa 63

<210> 111
<211> 102
<212> RNA
<213> Bacillus subtilis

```

<400> 111  
 uuguauaacc ucaauauauu gguuugaggg ugucuaccag gaaccguaaa auccugauua 60  
 caaaaauugu uuaugacauu uuuuguaaauc aggauuuuuu uu 102

<210> 112  
 <211> 486  
 <212> DNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 21-307  
 <223> n = g, a, c or t/u

<400> 112  
 atatccgttc ttatcaagag nnaagcaga gggannctgg nnnncccgac gaagcttnc 60  
 agcaaccggt gtaatggcnn nnnnnnnnnn nnnnnnnnnn nnngatcann nnnnnnnnnn 120  
 nnnnnnnnnn nnnnngccat gaccaagggtg ctaaatacca gnnnnnncaa gctnnnnnnn 180  
 nnnnccaaca nnnnnnnnnn ngcttggaag ataagaagag acaaaatcac tgacaaannn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngt cttcttnnnn nnnnnnnnnn cttnnnnnnn 300  
 nnnnnnaag aggaactttt tatttctctt ttttccttgc tgatgtgaat aaaggaggca 360  
 gacaatggga cttttagaag atttgcaaag acaggtgtta atcggtgacg gcgccatggg 420  
 gacgtcctc tactcctatg gcattgacag gtgttttgag gagctcaata tttcaaagcc 480  
 ggagga 486

<210> 113  
 <211> 486  
 <212> DNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 21-305  
 <223> n = g, a, c or t/u

<400> 113  
 tcgatatttc ttatcgtgag nnnaggtgga gggannctgg nnnnccctta gaaacctnnc 60  
 agcaaccggc ttgttttgc nnnnnnnnnn nnnnnnnnnn nnnatttnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnngcaaag cgccaagggtg ctaaatacca gnnnnnncaa gcgtnnnnnn 180  
 nnnntttttt nnnnnnnnna tgcttggaag ataagaagaa gcgttaaan nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnncc cttcttcnn nnnnnnnnt tatnnnnnnn 300  
 nnnngaaga aggggtttt attttgaaaa gggaagggtg cagctatatg tcacagcacg 360  
 ttgaaacgaa attagctcaa attgggaacc gtagcgatga agtcacggga acagtgaagt 420  
 ctctatcta tttatcaaca gcataccgcc acagagggat cggagaatct accggatttg 480  
 attatg 486

<210> 114  
 <211> 486  
 <212> DNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 21-304  
 <223> n = g, a, c or t/u

<400> 114  
 acattttctc ttatcgagag nnttgggcga gggannttgg nnnncccttt gaccccaanc 60  
 agcaaccgac cnnnnnnngta ataccattgt gaaatggggc gcaactgctt tcgcgccgag 120  
 actgatgtct cataannnnn nggcacgggtg ctaattacca tnnnnnnncag atnnnnnnnn 180

```

nnnnntgttnn nnnnnnnnnnn ngctctgagag atgagagagg cagtgtttta cgtagaaaaan 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnngc ctctttctcn nnnnnnnnnnt catnnnnnnnn 300
nnnnngggaaa gaggtcttttt gttgtgagaa aacctcttag cagcctgtat ccgcgggtga 360
aagagagtgt tttacatata aaggaggaga aacaatgaca accatcaaaa catcgaattt 420
aggatttccg agaatcgacc tgaaccggga atggaaaaaa gcacttgaag cgtattggaa 480
aggcag                                         486

```

```

<210> 115
<211> 486
<212> DNA
<213> Bacillus subtilis

```

```

<220>
<221> misc_feature
<222> 21-304
<223> n = g, a, c or t/u

```

```

<400> 115
atatattctc ttatcgagag nnttgggcga gggatnttgg nnnncctttt gaccccaana 60
agcaaccgac cnnnnnnngta attccattgt gaaatggggc gcantttttt tcgcgccgag 120
acgctgggtc cttaannnnnn nggcacggtg ctaattncca tnnntnncag atnnnnnnnn 180
nnnnnctggn nnnnnnnnnnn natctgagag ataagagagg cggacataga tgtaannnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnngc ctctttctcn nnnnnnnnnnn tctnnnnnnnn 300
nnnngagaag gaggtcttttt tacggccaca tattaattaa ttacataatt ggagggttatg 360
atgatgggag tcacaaaaac acctttatac gaaacgttaa atgaaagctc cgctgtggcg 420
ttggcgggtga agcttggcct atttccaagc aaaagcacgc tgacatgcca ggagatcgga 480
gacggc                                         486

```

```

<210> 116
<211> 486
<212> DNA
<213> Bacillus subtilis

```

```

<220>
<221> misc_feature
<222> 23-301
<223> n = g, a, c or t/u

```

```

<400> 116
ctatatcttc ttatcaagag cannggcaga ggganncgag nnnncccgat gaagccnnnc 60
ggcaaccgac tnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnatannn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnn aagcacggtg ctaattnctt gnnnnnnncag ctannnnnnnn 180
nnnnnagcnn nnnnnnnnnnn nggctgagag ataagattcg gacgagaaac gaaannnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnc tctttagacg cnnnnnnnnng attnnnnnnnn 300
ngcagtttga agagggttttt tgatatggat gaaaatgaaa ggagctcttg catgagttag 360
ttattagcga catatctcct gaccgaaccg ggagccgata cagagaagaa agcagaacaa 420
atcgaacag gattgacagt aggctcctgg actgatctgc cccttgtaaa acaggagcaa 480
atgcaa                                         486

```

```

<210> 117
<211> 486
<212> DNA
<213> Bacillus subtilis

```

```

<220>
<221> misc_feature
<222> 22-305
<223> n = g, a, c or t/u

```



```
<400> 117
atctaaaaac ttatcaagag cnnnggctga gggannctgg annncctnat gaagccnnnc 60
ggcaacctgc annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntagtnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn ntgtaagggtg ctnacttcca gnnnnnncaa aatgnnnnnn 180
nnnnaattcn nnnnnnnnnn attttgaaag ataagggtg catgctgttc ctgtnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct ttctttccnn nnnnnnnnnn gccnnnnnnn 300
nnnnnggatt gaaagttttt tattttaaga ggtaaaaagg ctatctgtat atcagcagcc 360
gcgaatcaca ttacatggga aaagacaacc ggcagaaagc tactgtttgt ttgtctccga 420
aaggaggaaa gaagaaatgt taacgtatga taattgggaa gaaccaacga ttacatttcc 480
ggaaga 486
```

```
<210> 118
<211> 486
<212> DNA
<213> Bacillus subtilis
```

```
<220>
<221> misc_feature
<222> 21-306
<223> n = g, a, c or t/u
```

```
<400> 118
tcaatatttt ctatccagag nnnaggtgga gggannctgg nnnccctat gaaacctnnc 60
ggcaacannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnttatnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnntgtg ccaattncca gnnnnnncaa gcnnnnnnnn 180
nnnngctann nnnnnnnnnn ngcttgaaaag ataggaaagc aaggtttata ccggcgctctg 240
cctgtaacag agcgcgcccta tatatgaatc tctttccnnn nnnnnnnnat cttnnnnnnn 300
nnnnnnggaa agagattttt tttatgaaaa atacgatgaa aaggatgttt tgcagcatga 360
cggttttggt tacagcaccg tacaacgaag aaggacgaaa agagcttgaa aacttgtttg 420
gctcagttgc ttatcaatct tggaaggaac aaggtagggc atatcgggag gatgaactca 480
ttcagc 486
```

```
<210> 119
<211> 486
<212> DNA
<213> Bacillus subtilis
```

```
<220>
<221> misc_feature
<222> 23-307
<223> n = g, a, c or t/u
```

```
<400> 119
gcggatactc ttatcccgag ctngggcgga ggganncagg nnnccctat gaagccnnnc 60
agcaaccggt ttctcnnnnn nnnnnnnnnn nnntgttatt tattatgttc aactgagtnn 120
nnnnnnnnnn nnnnngagac aaccaagggtg ctaannncct gnnnttgcaa ggnnnnnnnn 180
nttgatgat tnnnnnnnnn nccttgagcg ataagagtga aaggcacaaa gaccaaannn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc ctttccnnnn nnnnnnnnnt cgatnnnnnn 300
nnnnnnngga aaaggttttt ttatttcata aatatgcaa ttaacattct ctaatataac 360
tgtacattgt ataagaggga gcgagttccg tatcatatat acaaggtctt tcgggaggcc 420
ttgtgcagga ggaagcaaat catgagtaaa aatcgctcgt tatttacatc agaactctgtt 480
acggag 486
```

```
<210> 120
<211> 486
<212> DNA
<213> Bacillus subtilis
```

```
<220>
```

<221> misc\_feature  
 <222> 22-305  
 <223> n = g, a, c or t/u

<400> 120  
 tatattttctc ttatcaagag annnggtgga gggannagtg nnnnccctat gaagccnnnc 60  
 ggcaaccatc aacnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnactnnn nnnnnnnnnnn 120  
 nnnnnnnnnnn nnnnnnnnngt tgaaatggtg ccaattncac annnnnnncga agcnnnnnnnn 180  
 nnnngttcan nnnnnnnnnnn gctttgaaag atgagagaaa ggcattttat ataannnnnnnn 240  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnngc ctttctgcnn nnnnnnnntca agtgtnnnnnn 300  
 nnnnnngcaga aaggcttttc ttttgcagaa aaaaccggaa gatttcttag aatagtgtta 360  
 aggcaggtga ttgctttgat caatcttcag gatgtttcaa aagtttacia gtcgaaacat 420  
 ggagatgtca atgctgtcca aaacgtctcg ctttccatta aaaaaggtga gattttttgga 480  
 attata 486

<210> 121  
 <211> 486  
 <212> DNA  
 <213> *Bacillus subtilis*

<220>  
 <221> misc\_feature  
 <222> 22-305  
 <223> n = g, a, c or t/u

<400> 121  
 aagttgtacc ttatcaagag annnggtgga gggannctgg nnnccctnat gataccnnnc 60  
 ggcaaccgct gttnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnntcannn nnnnnnnnnnn 120  
 nnnnnnnnnnn nnnnnnnnnaa cagaatggtg ctaaatncct tnnnnnnaag aacnnnnnnnn 180  
 nnnnattgcn nnnnnnnnnnn gttcttgtag atgaggcgga gatttgatcg ttcaannnnnn 240  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnngc tcttccttnn nnnnnnnnna cacannnnnn 300  
 nnnnnaagga agagcttttt acatgcttaa tatttcagaa aagaggcgaa taacatggct 360  
 caacaaacga atgttgtagg acaaaaaaca gaaaaaacaac gcaaagcacc tttccgcgcc 420  
 gatcatgtcg gcagcttgct tcgttccgtt ccggtaaagg aagcccggca aaaaaaagcg 480  
 gctggt 486

<210> 122  
 <211> 486  
 <212> DNA  
 <213> *Bacillus subtilis*

<220>  
 <221> misc\_feature  
 <222> 22-305  
 <223> n = g, a, c or t/u

<400> 122  
 aaggttttcc ttatcaagag annnggtgga gggannctgg nnnnccctgc gataccnnnc 60  
 ggcaaccgct gtnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnttannn nnnnnnnnnnn 120  
 nnnnnnnnnnn nnnnnnnnna cagaatggtg ctaaatncct tnnnnnntag agcaannnnnn 180  
 nnnnttgann nnnnnnnntt gctcttgaag ataaggttga gattgtcacg caannnnnnnn 240  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnngc tcttccttnn nnnnnnnnna tccannnnnn 300  
 nnnnnaagga agagcttttt tatatttgaa tggaaagaag gaatggacaa catgtcacaa 360  
 caaacaacac ccgcagaaca aaatcactt caaagaaaaa aaccgccgtt tcgcgcggat 420  
 caagtcggaa gctgtctaag atctgagccc gtcaaaaaag cgcggctgca aaaagcggcc 480  
 ggcgaa 486

<210> 123  
 <211> 486

<212> DNA  
<213> Bacillus halodurans

<220>  
<221> misc\_feature  
<222> 22-306  
<223> n = g, a, c or t/u

<400> 123  
tcatattttc ttatccagag tnnnggtgga gggannctgg nnnnccctgt gaagccnnnc 60  
ggcaacctct tttnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttttnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn aaagaagggtg ccaattncca gnnnnnnncag aacannnnnn 180  
nnnnntgann nnnnnnnnnn gttctgaaag ataagaagcg aacggatcgn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnca cgtcttcnnn nnnnnnnnnn tatcnnnnnn 300  
nnnnnngaag aggtgttttt tcttgtttta acaccttata tgtcggaaag attacttggt 360  
attgtaccga aaacagcaag acaaaaaaag aacaacttgg aatgaggagg cgttgtagat 420  
gaaaaaaatt tacgtaatcc acgaaaacga tgaatggacg gttcacctat ttaaagcact 480  
tgagga 486

<210> 124  
<211> 486  
<212> DNA  
<213> Bacillus halodurans  
<220>  
<221> misc\_feature  
<222> 22-308  
<223> n = g, a, c or t/u

<400> 124  
ataaaaagac ttatcgagag annnggcaga gggannctga nnnncccgat gatgccnnnc 60  
ggcaaccctg ttgttnnnnn nnnnnnnnnn nnnnnnnnnn nnnagccann nnnnnnnnnn 120  
nnnnnnnnnn nagcaaacga aggtgctaata tntcagnnnn nncagaatgn nnnnnnnnna 180  
tttnnnnnnn nnnncattct ggaagataag cgaaggcgaa aannnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc ttccnnnnnn nnnnnnnnnn tatcnnnnnn 300  
nnnnnnnnng aaaggttttt ttgttagaga gccaaagttt tataaaaatg aggagagggc 360  
atacgaaagg ggaaataatc agatgattaa agttgggtgt atcggatttg gcaccgttgg 420  
gcaaggtgtt gtcgagagtc tagttcaatt ggagcgagga ttaaggaaaag aagttactct 480  
cgaaat 486

<210> 125  
<211> 486  
<212> DNA  
<213> Bacillus halodurans  
<220>  
<221> misc\_feature  
<222> 21-302  
<223> n = g, a, c or t/u

<400> 125  
tctcgtattc ttatccagag nnnaggtgga gggannacgg nnnncccgaa gaaacctnnc 60  
agcaaccagc cacgnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatccnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnntg tggtcagggt ctaattncct gnnnnnnnca gcannnnnnn 180  
nnntttattn nnnnnnnnnn tgcttgagag ataagaggaa gcgagtgaga tccaannnnn 240  
nnnnnnnnnn nnnnnnnnnn cctacttctt ctttnaatct tacatgacnn 300  
nngagaagggt aggtgttttt ttacacaatc agaaaagatc gaacttttca gatagttaa 360  
gaaaaatgaa ggctttcgca acttggcgac gagctgattt ttccaataga tggataggag 420  
gagcaaccat gaatcgtaaa gaattagaaa cagctttagt acaaacgga aatcgatgg 480  
atgatc 486

<210> 126  
 <211> 486  
 <212> DNA  
 <213> Bacillus halodurans

<220>  
 <221> misc\_feature  
 <222> 23-306  
 <223> n = g, a, c or t/u

<400> 126  
 acggatactc ttatccagag ttninggtgga ggganncagg nnnncccgaa gaaaccnncc 60  
 agcaaccaac acctnnnnnn nnnnnnnnnn nnnnnnnnnn ngttaaacaa nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnagg tgaaaagggtg ctaannncct gnnnnnncaa ggcnnnnnnn 180  
 nnnnnngttnn nnnnnnnnnn gccttgaaag ataagaggcg aaagggtatgt taattaannn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnncc cttttccnnn nnnnnnnntc ataattnnnn 300  
 nnnnnnggaa aagggttttc ctcattttta tacttttgca agtgtgctgt ggagaaatgag 360  
 tgccgtatca tgttttgccg agcctgccgt tggtaagggt gtgcttaagg gaggatattc 420  
 gtaaatggca gatacaagaa gtcgtcgctt atttacatca gagtctgtta cagaaggaca 480  
 tcctga 486

<210> 127  
 <211> 486  
 <212> DNA  
 <213> Bacillus halodurans

<220>  
 <221> misc\_feature  
 <222> 22-306  
 <223> n = g, a, c or t/u

<400> 127  
 aagaaaactc ttatcatgag annnggtgga gggannctgg nnnncccgat gaagccnnnc 60  
 agcaaccgcc aagcnnnnnn nnnnnnnnnn nnnnnnnnnn nagcaaaten nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnngctt ggaaaagggtg ctaattncct gnnnnnncaa agcnnnnnnn 180  
 nnnnnngatnn nnnnnnnnnn gctttgagag atgagagaag ggaagacgta aaacattnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnncc tttctgcnnn nnnnnnnntt catgnnnnnn 300  
 nnnnnngcgg aaagggtttt ttgttctatt atgcagtttg attcacggaa ttgtactttc 360  
 ttacgataat gatttgccgtg ctccttgaga cgaaatttgc gagagtgaga gtttttgctc 420  
 tcgtactgac tttcggttaa ttggtaacgc gtagacgaac tgatatattt ttagaaaaga 480  
 gggctt 486

<210> 128  
 <211> 486  
 <212> DNA  
 <213> Oceanobacillus iheyensis

<220>  
 <221> misc\_feature  
 <222> 21-305  
 <223> n = g, a, c or t/u

<400> 128  
 atagttagac ttatcaagag nnnagatgga gggannnttg nnnncccgat gaagtctnnc 60  
 agcaaccagc ctnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnagatann nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn aggtatgggtg ctaattncct annnnnntag gctnnnnnnn 180  
 nnnntacann nnnnnnnnnn agccttaaag ataagaagag ctatgtattt taannnnnnn 240

```

nnnnnnnnnnn nnnnnnnnnn nnnnnnnncc cttcttctnn nnnnnnnnta cttttnnnnn 300
nnnnnagaag aggggttttt tgatttttag aataggagga gattattatg aagcggagtt 360
tacaaagacg tttgcaagaa ggcacggtaa tagcaggaga agggatttta tttgaattag 420
agaggagggg gtacttacag gcagggttcgt ttgtaccaga agtagccctt gaaaatccgg 480
atgcgt 486

```

```

<210> 129
<211> 486
<212> DNA
<213> Ocenobacillus iheyensis

```

```

<220>
<221> misc_feature
<222> 21-306
<223> n = g, a, c or t/u

```

```

<400> 129
atgacaattc ttatccagag nnnaggtgga gggannctgg nnncccaag gaagcctnnc 60
ggcaacagac ttannnnnnn nnnnnnnnnn nnnnnnnnnn nntttgatnn nnnnnnnnnn 120
nnnnnnnnnn nnnntaagta ctgtgccaat tncaggnnn nntagcgnnn nnnnnnnnnn 180
aatnnnnnnn nnnnnntgct agaagatgag aagagtatat agtacggttt cctgtannnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc cttctctnnn nnnnnnnnta cttgtnnnnn 300
nnnnnnagaa ggggggtttt acttttccct attctctgta cagaactgtc atatgctagt 360
ttcatagagc aagaccctac tctataagac tagcccaaata ctaaaggaga aagaaggaaa 420
ttaacatgac aaaaacagtt attaaagcac catttcgcgc agaccatgta ggtagcttac 480
tacgac 486

```

```

<210> 130
<211> 486
<212> DNA
<213> Oceanobacillus iheyensis
<220>
<221> misc_feature
<222> 21-315
<223> n = g, a, c or t/u

```

```

<400> 130
atgaaaatac ttatcaagag nnnaggtgga gggannctgg nnncccgct gaaacctnnc 60
agcaacagan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nacgcactctg nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnntctgtg ctaaattncct gnnnnnncaa gcnnnnnnnn 180
nnnaaatann nnnnnnnnnn ngcttgaaag ataagttgag gttatcgtaa tatccaagtt 240
ctctcttctt atctttatca tgtttttttn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnaatag aagggatgga tttatatatg agcatacgga atgaagatga 360
aacggaacaa agaagaaatg atctaattga gaaattaatt gcactaatc attttaaaaa 420
aggaacaaa catctatatg aactgacaac agcagagttg gaatacgaat actttaaaatt 480
acaata 486

```

```

<210> 131
<211> 486
<212> DNA
<213> Oceanobacillus iheyensis

```

```

<220>
<221> misc_feature
<222> 21-306
<223> n = g, a, c or t/u

```

```

<400> 131
attgaataac ttatccagag nnttgacgga gggaancagg annncctanc gatgtcannc 60

```

```

agcaacctac cnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnntttacnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnn nggagtggtg ctntcttctt gnnnnnnncag aannnnnnnnnn 180
nnnttttttnn nnnnnnnnnnn nttctgaaag ataaggtaat gatatgtaaa aannnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnncc ttctttctnn nnnnnnnnng aatnnnnnnnn 300
nnnnnnngaaa gaaggttttt ttgatgggat gtgttatgta tgattcagtt ggaaaatata 360
gagaaacact atgaatctaa aaagagaaga gtgatagggg tagatcaagt ttcccttgat 420
atcaaaaagg gagaaatata tggcatcggt ggatatagcg gtgcaggtaa aagtacgctt 480
ttacgt 486

```

```

<210> 132
<211> 486
<212> DNA
<213> Oceanobacillus iheyensis

```

```

<220>
<221> misc_feature
<222> 23-303
<223> n = g, a, c or t/u
<400> 132
acggatactc ttattcagag ttnggtgga ggganncaga nnnncccgat gaagccnnnc 60
agcaaccatc actnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnactnnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnng tgaaaagggtg ctaannntct gnnnatgcaa ggannnnnnnn 180
nnntaatagt nnnnnnnnnnn tccttgaaca ataagagcga aaggccataa ttcttnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnncc ttctctcatn nnnnnnnnnnn gttnnnnnnnn 300
nnnatgaagg aaaggttttt ttgtttttat ctataathtt aggtaccgcg ttttttagta 360
cgaggttctt ttattggcac tttgaatagg atagaagtta taaagagatc cgtaccaaca 420
tatatcaaag gagagtttag ccttatgggt gcaaatcgac gtttattttac ttcagagtca 480
gtaact 486

```

```

<210> 133
<211> 486
<212> DNA
<213> Oceanobacillus iheyensis

```

```

<220>
<221> misc_feature
<222> 21-304
<223> n = g, a, c or t/u
<400> 133
atgatattctc ttattctagag nnncggtgga gggannctgg nnnncccttt gaaaccgnnc 60
ggcaaccttc atnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnaattaann nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnn atgaaagggtg ccaattncct gnnnnnnncan nnnnnnnnnnn 180
nnnnngaaaan nnnnnnnnnnn nnnntgaaag atgagagaac gtcagacgat atacgataaa 240
tacgtannnn nnnnnnnnnnn nnnnnnnnccg tctttctgtn nnnnnnnntc tcttnnnnnn 300
nnnnacagaa aggcgttttt attttgacga attatgggga aactatacga aatgggtgct 360
ggagagtaag aggaggaata aagattgata tccatcgaag ggtaagtaa agtattttca 420
ttaaataaaa aagacatcaa agctgtagac tcattgacct tcaatattga aaatggcgat 480
atttat 486

```

```

<210> 134
<211> 486
<212> DNA
<213> Oceanobacillus iheyensis

```

```

<220>
<221> misc_feature
<222> 21-306
<223> n = g, a, c or t/u

```

```

<400> 134
tacgtttttc ttatcatgag nnnaggcgga gggaanatgg nnnncccaac gaaacctnnc 60
ggcaacaggt tctnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntattnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnna gaatactgtg ccaattncca tnnnnnncaa gcannnnnnn 180
nnnnnaatnn nnnnnnnnnn tgcttgaaag ataagagtag aataatttat tagctttaaa 240
annnnnnnnn nnnnnnnnnn nnnnnnnnct ctattctnnn nnnnnnnnta ttacnnnnnn 300
nnnnnnngaa tagagttttt tggtacatag aatggctcta taatatttgt tggggtaaaa 360
gaaaaataaa aaacacgcaa tctcctattt ttgttatcat tgtttaaacc actaaaccaa 420
acaaaaagga gatgcgtgca attgaattct aacataacat tacctgggtt ggaagaagga 480
aatata 486

```

```

<210> 135
<211> 486
<212> DNA
<213> Oceanobacillus iheyensis
<220>
<221> misc_feature
<222> 21-304
<223> n = g, a, c or t/u

```

```

<400> 135
atgaaatatt ttatcctgag nnnagggtgga gggaanatgg nnnncccaaa gaagcctnnc 60
ggcaacaggt tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntagcttnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn gaatactgtg ccaaattcca tnnnnnncaa gtatnnnnnn 180
nnnnntctnn nnnnnnnnna tgcttggtag ataagagaag tcggcgacag agnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct cttttcttan nnnnnnnnnt cttnnnnnnn 300
nnntatgaa aagggttttt taattactaa cgatagataa tgggggatga aaatgaagta 360
tggtttctgg ttgccgattt ttggagggtg gttgcgtaat gtagaagatg aacagatgcc 420
tctactttt gaatatgcaa aacaggtaat tcagcacgag gaagaatggg gatatgatac 480
gacttt 486

```

```

<210> 136
<211> 486
<212> DNA
<213> Oceanobacillus iheyensis
<220>
<221> misc_feature
<222> 22-308
<223> n = g, a, c or t/u

```

```

<400> 136
ttattttttc ttatcaagag tnnccggggga ggaatnctgg nnnntccatt gatccccgnc 60
agcaaccagt tacnnnnnnn nnnnnnnnnn nnnnnnnnnn nnaatgaann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnng taacatggtg ctcattncca gnnnnnncaa gcnnnnnnnn 180
nnngtagann nnnnnnnnnn ngcttgatag atgagaaaag tgtttatacc ttttaaataa 240
aannnnnnnn nnnnnnnnnn nnnnnnnnct ctttcnnnnn nnnnnnnnnt catcnnnnnn 300
nnnnnnnnng aagagttttt tctttgttgt cagtgagggt ttggaaaaat aagtgggaaca 360
gtttgacttc aaatatgagt aaaccaatca ggtaactaaa gtagggggat cgaaactgtc 420
aagtgatcgt agtttataaa aatctaaaaa gaagaggaga gcgtgtatta tgccaactat 480
aaaaac 486

```

```

<210> 137
<211> 486
<212> DNA
<213> Oceanobacillus iheyensis
<220>
<221> misc_feature
<222> 22-306

```

<223> n = g, a, c or t/u

<400> 137

```

agcaaattctc ttatcaagag tnnnggtgga gggaantagg nnnnccctgc gaagccnnnc 60
ggcaacctgt agcnnnnnnn nnnnnnnnnn nnnnnnnnnn nnaattnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnngcta ttgaaagggtg ctaaattncct annnnnncag acnnnnnnnn 180
nnnttcacn nnnnnnnnnn ngctctggaag ataagaggag gttcgggttt aaacagacaa 240
annnnnnnnn nnnnnnnnnn nnnnnnnngt cctcttcnnn nnnnnnnnnt tatnnnnnnn 300
nnnnnngaag ggggcttttt ttaatccttc tcttattact ttaaaaataa taaattcaag 360
gaggaaacac gatgtctaaa tttcaatctt tgcaagcaga aacaatctta cttcatggag 420
gacaggaacc agacccatca actggttcac gtgcagttcc aatttatcaa actacgtcct 480
atgtgt

```

<210> 138

<211> 486

<212> DNA

<213> *Oceanobacillus iheyensis*

<220>

<221> misc\_feature

<222> 21-304

<223> n = g, a, c or t/u

<400> 138

```

atgaaatattc ttatcctgag nnnaggtgga gggaanatgg nnnncccaaa gaagcctnnc 60
ggcaacaggt tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntagctnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn gaatactgtg ccaaattcca tnnnnnncaa gtatnnnnnn 180
nnnnntctnn nnnnnnnnna tgcttggtag ataagagaag tcggcgacag agnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct ctttcttan nnnnnnnnnt cttnnnnnnn 300
nnnntatgaa aagggttttt taattactaa cgatagataa tgggggatga aaatgaagta 360
tggtttctgg ttgccgattt ttggagggtg gttgcgtaat gtagaagatg aacagatgcc 420
tcctactttt gaatatgcaa aacaggtaat tcagcacgcg gaagaatggg gatatgatac 480
gacttt

```

<210> 139

<211> 486

<212> DNA

<213> *Oceanobacillus iheyensis*

<220>

<221> misc\_feature

<222> 21-300

<223> n = g, a, c or t/u

<400> 139

```

ttaatacttc ttatcgagag nnnaagctaa gggacnctgg nnnnccctggt gacgcttnnc 60
agcaacctct annnnnnnnn nnnnnnnnnn nnnnnnnnnn nntctccatn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn tagaaagggtg ctacctncca gnnnnnncaa gatnnnnnnn 180
nnnngtatnn nnnnnnnnnn gtcttgaaag ataagagtcc agattaaaaa aaannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnntc cgcgacgctc ttannnnnnt ttatnnnnnn 300
taagggcatc gcggtttttc ttatattaat tttattttta aaggagattg gtaaaatgaa 360
caacattgtg acattgtccg gcagcccctc cgaactatct agatctgaaa aagtactaca 420
ttatttaggg aatcaattaa gtgaacagaa attctatgtg acccatattt ctgttaaaga 480
tgtacc

```

<210> 140

<211> 486

<212> DNA



<213> Oceanobacillus iheyensis

<220>

<221> misc\_feature

<222> 21-301

<223> n = g, a, c or t/u

<400> 140

```
acgttttttc ttatctagag nnnagattga gggatncagg nnnncctat gacatctnnc 60
ggcagcggat tctttannnn nnnnnnnnnn nnnnnnnnnn nnnntatnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnntaaa gaatactgtg ccaattncct gnnnnnncaa atgcnnnnnn 180
nnnaaacgan nnnnnnnnng catttgaaag atgagaaacg atggcttcta catatataca 240
tatggtacga annnnnnnnn nnnnnnnntc cctcttttct tgnnnnnntt ctttnnnnnn 300
ncaagaaaag agggattttt tatttcgctt ggggggttgag acatgattga atttcagaat 360
gtaacaaaga cattcacact aggaaaaaga aaagtagaag ctgttaaaga agtatctcta 420
acgatcgaaa aaggagatat ttatggaatt attgggttca gcggtgcagg aaaaagtacc 480
ttgctt                                     486
```

<210> 141

<211> 486

<212> DNA

<213> Oceanobacillus iheyensis

<220>

<221> misc\_feature

<222> 22-304

<223> n = g, a, c or t/u

<400> 141

```
ctaatatctc ttattgagag tnnnggctga gggannctgg nnnncctgt gacgccnnnc 60
ggcaaccgtt catcgtnnnn nnnnnnnnnn nnnnnnnnnn nnaattccan nnnnnnnnnn 120
nnnnnnnnnn nnnnnngtga tgaataggtg ctaaattncct gnnnnnncaa aatacnnnnn 180
nnnnggacan nnnnnnnngt attttgagaa ataagagagg tgatgaatga cttacgtagt 240
gtaatgttan nnnnnnnnnn nnnnnnnntg cctctcgatn nnnnnnnntt tcacnnnnnn 300
nnnnatcggg aggcattttt tagtttcccg gaaaaattca caacatgaga aaagaggaag 360
gatttatgtc cacatcgatt gtaaaaggag ctccgggtca ttatcgatt ggcgcggtatg 420
tcttgaggga aattcctgta ctgcttgaag aactgtcagt taatcgtata caagttatcg 480
cagga                                     486
```

<210> 142

<211> 486

<212> DNA

<213> Clostridium acetobutylicum

<220>

<221> misc\_feature

<222> 22-302

<223> n = g, a, c or t/u

<400> 142

```
taattgtttc ttatcaagag tnnngacgga ggganntagg nnnncctat gaagtcnnnc 60
ggcaacatcc aannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnttatnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnntt tggagatgtg ctaattncct annnnnncag gnnnnnnnnn 180
nnnnnttatn nnnnnnnnnn nncctgagag atgagaatgt ttttaaaann nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct gcttcttatt tnnnnnnntt taatnnnnnn 300
nnggataaga agcagtttta tttttttatt attaggagga gaagattatg ggagaaatag 360
attgtagaaa ttttgagaca aaagcagttc atggggagag tggttttgag agcagaactg 420
gggcaataag ctaccaata taccaaagtt ctaccttag acatgaaggc ttaaataaag 480
gaactg                                     486
```

<210> 143  
 <211> 486  
 <212> DNA  
 <213> Clostridium acetobutylicum

<220>  
 <221> misc\_feature  
 <222> 22-307  
 <223> n = g, a, c or t/u

<400> 143  
 tgtaaaaatc ttatcaagag tnnnggtgga gggannctgg nnnncccttt gaaaccnnnc 60  
 ggcaaccagt atattnnnnn nnnnnnnnnn nnnnnnnnnn nntttttnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnaat atatgtggtg ctaaattncct gnnnnnnncag cnnnnnnnnn 180  
 nnnnaaacnn nnnnnnnnnn nngctgatag atgagaataa tcgcgaatgt aaannnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngc ccgagggnnn nnnnnnnntt attttnnnnn 300  
 nnnnnnncca agggcttttt attttatcct attttttaag ggggctaact tatgaattct 360  
 tcactaaaga atttggttaa taacaaaatt ttagttttag atggtgctat gggaacatgt 420  
 attcaatcct ttaatctaga tgaaggcgac tttaaagggt ccttatcttg tacatgtcat 480  
 tccaat 486

<210> 144  
 <211> 486  
 <212> DNA  
 <213> Clostridium acetobutylicum

<220>  
 <221> misc\_feature  
 <222> 21-305  
 <223> n = g, a, c or t/u

<400> 144  
 taatatttcc ttatcaagag nnnaaacgga gggannctgg nnnncccaat gatgttttnc 60  
 agcaaccaag gtnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnttttatnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn acttatggtg ctaattncct gnnnnnnncag gannnnnnnn 180  
 nnnntattnn nnnnnnnnnn nttctgaaag atgaggagcg actattttaa catttttatt 240  
 ttgttaatag annnnnnnnn nnnnnnnntc ctcttctttn nnnnnnnntt taannnnnnn 300  
 nnnnaagaa gaggatttta ttttggttaat aatagaacca acttattatt atttggtttt 360  
 attctattaa aagtgggtgt ataggacata ttttattaaa agaagagaga aatacctcca 420  
 atatttctcc cttcaattcc ataagcttat agattttacc caatctatcc taaaatattt 480  
 ttacta 486

<210> 145  
 <211> 486  
 <212> DNA  
 <213> Clostridium acetobutylicum

<220>  
 <221> misc\_feature  
 <222> 22-306  
 <223> n = g, a, c or t/u

<400> 145  
 attagtgcac ttatcaagag annnggtgga gggannccgg nnnnccctgt gaagccnnnc 60  
 agcaacctgt atannnnnnn nnnnnnnnnn nnnnnnnnnn nntgttaatn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnntt atacaagggtg ctaattncct gnnnnnnncag cnnnnnnnnn 180  
 nnnngctann nnnnnnnnnn nngctgagag atgagaatat aaatcgagct tttannnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnga gccagagnnn nnnnnnnntt tattnnnnnn 300  
 nnnnnnctct ggctcttatt attttttaat ctaatgggaa aaggtgaatg acatgataga 360  
 aataaaaaat gtttctaaat atttttcagg aaataagggt cttaaagatg ttgatctgaa 420

gattaaaggc ggagaaatat ttggaattgt tggcatagtg ggagctggaa agtcaacatt 480  
acttag 486

<210> 146  
<211> 486  
<212> DNA  
<213> Clostridium acetobutylicum

<220>  
<221> misc\_feature  
<222> 21-305  
<223> n = g, a, c or t/u

<400> 146  
atattatttc ttatcaagaa nnnnggtgga gggannctgg nnnnccctat gaagccnnnt 60  
gacaaccggc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnaaatnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nngtacgggtg ttaattncct gnnnnnncaa aacnnnnnnn 180  
nnnttatttn nnnnnnnnnn gttttgaaag ataagaaaac agcttattaa ttaatgagta 240  
tgtaaataan nnnnnnnnnn nnnnnnnntc cgttttcnn nnnnnnnntt tattnnnnnn 300  
nnnnnggaaa atggattttt tttatatatt aaaattttaa ctaggacggg gaaaaaaatg 360  
cctataaaaa tacctgataa tcttccagca gcaaaaactt taaatgaaga aaatatattt 420  
tttatggatg aggatagagc ctatcatcaa gatataagac ctcttaatat tgttatagtt 480  
aacctt 486

<210> 147  
<211> 486  
<212> DNA  
<213> Clostridium acetobutylicum

<220>  
<221> misc\_feature  
<222> 22-307  
<223> n = g, a, c or t/u

<400> 147  
tgataaggtc ttatcaagag annnggtgga gggannctgg nnnnccctat gaaaccnnnc 60  
aacaaccagc atttnnnnnn nnnnnnnnnn nnnnnnnnnn nntttaattn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnag atgtatgggtg ttaattncct gnnnnnncaa agnnnnnnnn 180  
nnntttaann nnnnnnnnnn nttttgagag ataagaggat tataaaattt tagaaagcta 240  
aaannnnnnn nnnnnnnnnn nnnnnnnntc ctcttcnnnn nnnnnnnnaa ctaannnnnn 300  
nnnnnnngaa gaggatttaa ttttatatat ttttaggttt agatattgaa gttaaaatat 360  
aataaaaagg ggatttttaa aatgagttaa gaaagaaaat ttggttttga aacattacag 420  
gttcatgcag gacaagttgc tgatccaact acaggatcaa gagctgtacc tatttatcaa 480  
acaaca 486

<210> 148  
<211> 486  
<212> DNA  
<213> Clostridium acetobutylicum

<220>  
<221> misc\_feature  
<222> 22-307  
<223> n = g, a, c or t/u

<400> 148  
atggaaactc ttatcaagag annnggtgga gggaanaggg nnnncccggt gaaaccnnnc 60  
ggcaaccgat gtattnnnnn nnnnnnnnnn nnnnnnnnnn nnaatttann nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnagta cataatgggtg ccaattncct gnnnnnnnag aannnnnnnn 180  
nnnnnttann nnnnnnnnnn nttctgcaag ataagagaga gaatgttaan nnnnnnnnnn 240

```

nnnnnnnnnnn nnnnnnnnnn nnnnnnnngt ctcttcnnnn nnnnnnnnnt tattnnnnnn 300
nnnnnnngag gagactttta tttttatatt gtaggaggaa gtggatataa tgagaaagtt 360
atttacatct gaatcagtaa cagaagggca tccagataaa atctgcgatc aaatatcaga 420
cgctattttta gatgccatat tggaaaaaga tccaaatgga agagttgctt gtgaaactac 480
agtgac 486

```

```

<210> 149
<211> 486
<212> DNA
<213> Clostridium perfringens

```

```

<220>
<221> misc_feature
<222> 22-300
<223> n = g, a, c or t/u

```

```

<400> 149
ttatatactc ttatccagag annnggtgga gggaaaaagg nnnnccctat gaaaccnnnc 60
ggcaaccagt gannnnnnnn nnnnnnnnnn nnnnnnnnnn nnggaaannn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnt cactacgggtg ccaattncg gnnnnnntaa agannnnnnn 180
nnnnnaatnn nnnnnnnnnn tctttacaag atgagagaag ataaatttag tgtataacta 240
aaannnnnnn nnnnnnnnnn nnnnnnnntc tcttcttaaa tctnnnnnnt taannnnnnn 300
aggtttgaga agagattttt ttattaacaa aaatatttta aaggcgcgca ttaaataaaa 360
gtttgttaat taagctttaa agatattatt ttgaatcgtg ggaagataaa ttaagttatt 420
tgtttaaata aacagggttg gaataaataa aaatgaaagg ggtgaattag ctatcttatt 480
atgata 486

```

```

<210> 150
<211> 486
<212> DNA
<213> Clostridium perfringens

```

```

<220>
<221> misc_feature
<222> 22-307
<223> n = g, a, c or t/u

```

```

<400> 150
ttaataaatc ttatcaagag annnggtgga gggannctgg nnnnccctgt gaaaccnnnc 60
agcaaccggt aattctttgc gggtaaaaca atgctgattt taaaataaaa aaatcagtag 120
taatttccta tgcaaagatt tatagcgggtg ctaaancct gnnnnnnnng tnnnnnnnnn 180
nnnnagaann nnnnnnnnnn nnactgagag ataagaaaga gagtctgtaa gaataataan 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct tctatcnnnn nnnnnnnnnc tagnnnnnnn 300
nnnnnnngat aggagttttt ttattttgta ggataaagga tagatttatt aaatggatta 360
ggaggagaga aaatgaaaaa aggaaagttt tcagcattat taccattaat aatttttgta 420
tcgatttatt tgggaacttc attagtaatg aaagatttct actctgtatc tgtttttagtt 480
ccagga 486

```

```

<210> 151
<211> 486
<212> DNA
<213> Listeria monocytogenes

```

```

<220>
<221> misc_feature
<222> 22-304
<223> n = g, a, c or t/u

```

```

<400> 151
ttacgttttc ttatcaagag tnnnggtgga gggannatcg gnnnccagtt gaaaccnnnc 60

```

```

agcagcggag cnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnngcaannn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnn nngttctatg ctaattnccg atnnnnncag aannnnnnnn 180
nnngtaatan nnnnnnnnnnn nttctggcag ataagtagta gctttcaatg aggnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnntg cttcgattct gnnnnnnacc aaaaaannnn 300
nnnncagagg aagcgttatt tttttagcgc ttaaagaggg gagtttttgt tagatgaaga 360
aatttttatt agtagcgggt atctcgggtt ttgccttggg gttaacggct tgcggagggt 420
ctggcgctag ttcagacaaa gcaaacgggt caggcaaagc gaaagacggc ggctctctta 480
ttatcg 486

```

<210> 152  
 <211> 486  
 <212> DNA  
 <213> *Listeria monocytogenes*

<220>  
 <221> misc\_feature  
 <222> 22-305  
 <223> n = g, a, c or t/u

```

<400> 152
atattttctc ttatcgagag cnnnggcaga gggannctgg nnnncccgat gaagccnnnc 60
ggcaacctaa ctttatnnnn nnnnnnnnnnn nnnnnnnnnnn nnttaagcnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnataa agtgaagggtg ctaattncca gnnnnnncaa aatggnnnnnn 180
nnntgtattn nnnnnnnncc gttttggtag ataagaggag ctggatatgt tgcactttcc 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnac ttctctattn nnnnnnnnnnc taannnnnnnn 300
nnnnnaatag agaagttttt ttattgcttt catgaataaa tctggataat cacacaacat 360
actagggagg aaaaaagatg aaaaaattaa caaaagggtt aggaatttta cttgcatcaa 420
gccttggttt aggattagca gcatgtggag gaggcagtga cgataaagcc ttaagcacag 480
aaaaaa 486

```

<210> 153  
 <211> 486  
 <212> DNA  
 <213> *Listeria monocytogenes*

<220>  
 <221> misc\_feature  
 <222> 21-303  
 <223> n = g, a, c or t/u

```

<400> 153
tagtattttc ttatcacgaa nnnaggtgga gggannctgg nnnncccttt gaagcctnnt 60
agcaaccgga annnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nntttatnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnn tttcacgggtg ctaattncca gnnnnnnncag nnnnnnnnnnn 180
nnntatattn nnnnnnnnnnn nnnctgaaaag ataagtcgga aatccaagtt taggaaactc 240
tatnnnnnnnn nnnnnnnnnnn nnnnnnnncc tctctggcgg nnnnnnnnctt atatannnnn 300
nnnctgctag ggagggtttt tgatggaaat tactgataaa tacatatcaa agaggagtgg 360
attttatgag taatgagtat aaattcgaaa caattcaagt acacggcgga cacacaccgg 420
acggagatac acattctaga gccgtaccta tttatcaaac gacgtcatac acatttgata 480
gcccg 486

```

<210> 154  
 <211> 486  
 <212> DNA  
 <213> *Listerial monocytogenes*

<220>  
 <221> misc\_feature  
 <222> 21-301  
 <223> n = g, a, c or t/u

```

<400> 154
acatagtaac ttatcaagaa nnnaggtgga gggtttctgg nnnccccgt gaagcctnnt 60
ggcaaccgga nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntttttnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nntcacggtg ccaaatncca gnnnnnncag nnnnnnnnnn 180
nnngtaacan nnnnnnnnnn nnnctgacag ataaggcacg cgaatcaggt aaattactnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct ttcccttaaa agnnnnnnnc tgtnnnnnnn 300
ncttttaagg gaaagttttt ttatacataa aaataataag aattgaggcg aagaaaatga 360
accaagtagc tccattttat gcagatcatg tgggaagtat tttacgcaca aagggaatta 420
aagacgcacg agagaaattc caaagtggcg aaataacagc cttagagttg cgcaaaatcg 480
aaaata                                         486

```

```

<210> 155
<211> 486
<212> DNA
<213> Listeria monocytogenes

```

```

<220>
<221> misc_feature
<222> 22-296
<223> n = g, a, c or t/u

```

```

<400> 155
aatttatctc ttatccagag cnnnggtaga gggannctga nnncccttt gaagccnnnc 60
agcaacctac acnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnatataann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn gtgaaagggtg ctaannntct gnnnttgacg gagnnnnnnn 180
nnttattatn nnnnnnnnnn cttctgaacg atgagagcaa aggtataatt atnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnag ctttctcta ttcgtgcgcg ttttnngtgc 300
aaaatagaga gaggcttttt atatgagacg tatttgagga gaattgaagg aggaaaataa 360
aattggctaa gaaccgtcat ctatttacat cagaatcggt ttctgatgga catccagata 420
aaattgcaga tcaaatatct gatgcaattt tagatgcaat tatttcaaaa gatcccgacg 480
cgcgtg                                         486

```

```

<210> 156
<211> 486
<212> DNA
<213> Listeria monocytogenes

```

```

<220>
<221> misc_feature
<222> 22-306
<223> n = g, a, c or t/u

```

```

<400> 156
taaattgctc ttataatgag tnnnggtaga gggannctgg nnncccggt gaaaccnnnc 60
ggcaaccttt caannnnnnn nnnnnnnnnn nnnnnnnnnn nntacgnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnt tgaaaagggtg ctaaatncct gnnnnnncga agtgnnnnnn 180
nnnnntgann nnnnnnnnnt gcttcgagag ataagagaga cttaaaaagt ttcagtgtat 240
ttgtgtatcg aaacttccaa annnnnnncc tctctagnnn nnnnnnnnnt tctnnnnnnn 300
nnnnnnctag ggaggttttt tattggcaaa aaatcgagag gataagggtga taggtatggt 360
aaaggcgatt agttcaaact tggggtatcc gagacttggg gagaaacgtg aatggaaacg 420
tgcgttagaa aaattctgga atggtgcgat ttcggaagag gaattgttgg ctgaaacgaa 480
ggctct                                         486

```

```

<210> 157
<211> 486
<212> DNA
<213> Listeria monocytogenes

```

<220>  
 <221> misc\_feature  
 <222> 22-304  
 <223> n = g, a, c or t/u

<400> 157  
 tgtagaaatc ttatccagag tnnnggtgga gggannaatg nnnnccctat gaagccnnnc 60  
 agcaacctaa acaataannn nnnnnnnnnn nnnnnnnnnn nnnttcannn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnttatgt gtttaaggtg ctaagtncat gnnnnnnncag aacaannnnn 180  
 nnnnctaann nnnnnnnntt gttctgaaag atgagaagga agttagtcca ttgaaaaaaa 240  
 tgctnnnnnn nnnnnnnnnn nnnnnnnngc ctttctgctn nnnnnnnnnc atcnnnnnnn 300  
 nnnnagcaga aaggcttttt ttgtatatca gaatgtagaa aagggtgatag agatgattac 360  
 gttacaaaac gttgtaaaag aatacacgtc cagaaacaac aaagttctcg cagtcgatca 420  
 tgtcgattta gaaattgaac aaggcgagat tttcggaggt gtaggttatt ccggagctgg 480  
 taaaag 486

<210> 158  
 <211> 486  
 <212> DNA  
 <213> Listeria innocua

<220>  
 <221> misc\_feature  
 <222> 22-304  
 <223> n = g, a, c or t/u

<400> 158  
 ttacaatttc ttatccagag tnnnggtgga gggaantcgg nnnncccgat gaaaccnnnc 60  
 ggcagcggag cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngcaannn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn nngttctatg ctaattncg annntnncag aannnnnnnn 180  
 nnnngtaatan nnnnnnnnnn nttctggcag ataagtagta gcttttaatg aggnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnncg cttcgattct gnnnnnnnacc aaaaaannnn 300  
 nnnncagagg aagcgttatt ttagcgctt aaagagggga gtttttgta gatgaagaaa 360  
 tttttattag tagcggttat ctcggtttt gccttggtgt taacggcttg cggaggctct 420  
 ggcgctagtt cagacaaagc aaacggttca ggcaaagcga aagacggcgg ctctctaatt 480  
 atcgg 486

<210> 159  
 <211> 486  
 <212> DNA  
 <213> Listeria innocua

<220>  
 <221> misc\_feature  
 <222> 22-305  
 <223> n = g, a, c or t/u

<400> 159  
 atattttctc ttatcgagag cnnnggcaga gggannctgg nnnncccgat gaagccnnnc 60  
 ggcaacctaa ctttatnnnn nnnnnnnnnn nnnnnnnnnn nnttaagcnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnngtaa agtgaaggtg ctaattncga gnnnnnncaa aatggnnnnn 180  
 nnntgtattn nnnnnnnncc gttttggtag ataagaggag ctggatatgt tcgactttcc 240  
 annnnnnnnn nnnnnnnnnn nnnnnnnnct tctctattnn nnnnnnnnnn ctannnnnnn 300  
 nnnnnaatag agaagttttt ttattgcttt catgaataaa tctggataaa taatcaacat 360  
 actagggagg aaaaaaagat gagaaaatta acaaaaagggt taggaatttt acttgcatca 420  
 agccttattc taggggttagc agcatgtgga ggcggaagt acgataaagc ctttaagcaca 480  
 aaagaa 486

<210> 160  
 <211> 486  
 <212> DNA

<213> Listeria innocua

<220>

<221> misc\_feature

<222> 21-303

<223> n = g, a, c or t/u

<400> 160

```
tagtatttttc ttatcacgaa nnnaggtgga gggannctgg nnnncccttt gaagcctnnt 60
agcaaccgga annnnnnnnn nnnnnnnnnn nnnnnnnnnn nntttattnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nttcacggtg ctaattncca gnnnnnnncag nnnnnnnnnn 180
nnntatattn nnnnnnnnnn nnnctgaaag ataagtcgga aatccaagtt taggaaactc 240
tatnnnnnnn nnnnnnnnnn nnnnnnnncc tctctggcgg nnnnnnnctt atatannnnn 300
nnnctgctag ggaggttttt tgatggaaat tactgataaa tacatattaa agaggagtgg 360
attttatgag taatgagtat aaattcgaaa caattcaagt acacggcgga catacaccgg 420
acggagatac gcattctaga gccgtaccaa tttatcaaac aacatcgat acatttgata 480
gccag 486
```

<210> 161

<211> 486

<212> DNA

<213> Listeria innocua

<220>

<221> misc\_feature

<222> 21-301

<223> n = g, a, c or t/u

<400> 161

```
acatagtaac ttatcaagaa nnnaggtgga gggtttctgg nnnnccagtt gaagcctnnt 60
ggcaaccgga nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnctttnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn ntcacggtgc caaatncca gnnnnnnncag tnnnnnnnnn 180
nnnnnatcnn nnnnnnnnnn nnactgacag ataaggcag cgaaacaggt aaatcactnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct ttcccttaaa agnnnnnnnc tgtnnnnnnn 300
ncttttgggg gaaagttttt ttgtacataa aaataactag aattgaggcg aagaaaatga 360
atcaagtggc accattttat gcagatcatg ttggaagtat tttacggaca aaggcaatta 420
aagaggcagc cgagaaattc caaagtggcg aaattacaac tcaagaatta cgtgaaattg 480
aaaatg 486
```

<210> 162

<211> 486

<212> DNA

<213> Listeria innocua

<220>

<221> misc\_feature

<222> 22-295

<223> n = g, a, c or t/u

<400> 162

```
aatttatctc ttatccagag cnnnggtaga gggannctga nnnncccttt gaagccnnnc 60
agcaacctac acnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnatataann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn gtgaaaggtg ctaannntct gnnnttgag gagnnnnnnn 180
nnntaatatn nnnnnnnnnn ctcctgaacg atgagagcaa aggtataatt atannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc ctttctctat tcgtgcgcgn tttnnctgtc 300
aaaatagaga gaggcctttt atatgagacg tatttgaga gaactaaagg aggaaaataa 360
aattggctaa aaaccgtcat ctatttacat cggaatcggt ttctgatgga catccagata 420
aaattgcaga tcaaatatct gatgcaattt tagatgcaat tatttcaaaa gatccggacg 480
cacgtg 486
```

<210> 163



<211> 486  
 <212> DNA  
 <213> *Listeria innocua*

<220>  
 <221> misc\_feature  
 <222> 22-306  
 <223> n = g, a, c or t/u

<400> 163  
 taaattactc ttattatgag tnnnggtaga gggannctgg nnnncccggt gaaaccnnnc 60  
 agcaaccttt caannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnttcgnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnt tgaaaagggtg ctaaattncct gnnnnnnnca agtgnnnnnn 180  
 nnnnntgann nnnnnnnnnt gcttcgagag ataagagaga cttaaaaagt ttcactgtat 240  
 ttgtgtatcg aaacttccaa annnnnnncc tctctagnnn nnnnnnnnnt tctnnnnnnn 300  
 nnnnnnctag ggagggtttt tattggcaaa aaattgagag gataagggtga taggtatggt 360  
 aaaggcgatt agttcaaact tgggggtatcc gagacttggg gagaaacgtg aatggaaacg 420  
 tgcgctagaa aagtttttga atgggtgcgat ttcagaagag gaattattgg cggaaacaaa 480  
 agctct 486

<210> 164  
 <211> 486  
 <212> DNA  
 <213> *Listeria innocua*

<220>  
 <221> misc\_feature  
 <222> 22-304  
 <223> n = g, a, c or t/u

<400> 164  
 tgtagaaatc ttatccagag tnnnggtgga gggannaatg nnnnccctgt gaaaccnnnc 60  
 agcaacctaa acaataannn nnnnnnnnnn nnnnnnnnnn nnnttcannn nnnnnnnnnn 120  
 nnnnnnnnnn nnnttatgt gtttaagggtg ctaagtncat gnnnnnnncag aacaannnnn 180  
 nnnncgatnn nnnnnnnnnt gttctgaaag atgagaagga agttagccca tttgaaaaaa 240  
 tgctnnnnnn nnnnnnnnnn nnnnnnnnngc ctttctgctn nnnnnnnnnc attnnnnnnn 300  
 nnnnagcagg aaggctttt tgtatatcag aatgtagaaa aggtgataga gatgattacg 360  
 ttacagaacg tcgtaaaaga atatacgatc agaaataaca aagttctcgc agtcgacccat 420  
 gtcgatttag aaattgaaca aggtgagatt ttcggagtag ttgggtattc aggggctggt 480  
 aaaagt 486

<210> 165  
 <211> 486  
 <212> DNA  
 <213> *Staphylococcus aureus*

<220>  
 <221> misc\_feature  
 <222> 21-304  
 <223> n = g, a, c or t/u

<400> 165  
 ttcatatctc ttattgtgag nnnaagttga gggacnttgg nnnnccctgt gataacttnc 60  
 agcaaccgac tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnttatnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn nagcacgggtg ctaaaancca annnnnnnca gnnnnnnnnn 180  
 nnnnnntann nnnnnnnnnn nnctcgaatg ataagtataa agannnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn tcttactttn nnnnnnnnnt caatnnnnnn 300  
 nnnnagggtg agaagttttt ttgtttaagg aggaaagaac aatgacaaat tacacagtag 360  
 atactttaaa tctagggaaa tttattacag aatctgggga agtcatagat aacttgcggt 420  
 tgagatatga gcatgttggt tatcatggac aaccattagt tgtagtttgt catgcattaa 480  
 ctggca 486

<210> 166  
 <211> 486  
 <212> DNA  
 <213> Staphylococcus aureus

<220>  
 <221> misc\_feature  
 <222> 22-300  
 <223> n = g, a, c or t/u

<400> 166  
 gcgtaaactc ttatcgagag tnnnggtgga ggganntgtg nnnccctac gaagccnnnc 60  
 ggcaaccgtc ttnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatatann nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn ngaaatggtg ccaattncac annnnnntaa agtnnnnnnn 180  
 nnnntttann nnnnnnnnnn acttttgaag atgagagaaa caatactact atnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnntg ctttctcaat tttnnnnntc tatcnnnnnn 300  
 gatattgaga aagcattttt tattttatta agcaacacag ggaggaatca acgtgattga 360  
 attaaaagaa gttgttaaag aatatcggac taaaaataaa gaagtccttg ctgtagatca 420  
 cgtaaattta tcgattcgag caggatcgat ttatggcgtc attggttttt ctggagcagg 480  
 aaaaag 486

<210> 167  
 <211> 486  
 <212> DNA  
 <213> Staphylococcus aureus

<220>  
 <221> misc\_feature  
 <222> 22-301  
 <223> n = g, a, c or t/u

<400> 167  
 acggattctc ttatcctgag tnnnggtgga gggacnatgg nnnacceaat gaaaccnnnc 60  
 agcaacctct tttnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntttatnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnaa aagaaaggtg ccaaannccg tnnnttgag acnnnnnnnn 180  
 nnaaatagn nnnnnnnnnn ngtctgaacg ataagagcga atggacgtat tannnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngg cttctctct atnnnnnnna ttannnnnnn 300  
 natagttaga aggtcttttt tatttagctc acagagagag aattttcgta atataaattt 360  
 aaaggagcaa actatgttaa ataacaaacg attatttact tcagagtctg ttacagaagg 420  
 acaccagat aaaatcgctg accaagtgtc agatgcaata ttagatgcta ttttaaaaga 480  
 cgacc 486

<210> 168  
 <211> 486  
 <212> DNA  
 <213> Staphylococcus aureus

<220>  
 <221> misc\_feature  
 <222> 21-302  
 <223> n = g, a, c or t/u

<400> 168  
 taagcatcac ttatctagag nnnagggtgga gggannctgg nnnccctat gaagcctnnc 60  
 ggcaacatnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnctegann nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn nnnnnnatgtg ccaattncac gnnnnnnntaa ccgnnnnnnn 180  
 nnnnntaann nnnnnnnnnn tggtttgaag ataagcaggt aaagcacatg aaannnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnac ctctttcttc annnnnnnnt cgtnnnnnnn 300  
 nntgtgagaa agaggtattt ttaattggaa agcaggtaaa aaggatggaa gtacataaaa 360  
 agagcaatgc ttgggcatta ttcccctgt tattatttgt ggcgttggtt ttaggcgtag 420

gtattatcac aggtgatttt acttcaatgc cattaatatgt tgcaattacg ataacggtaa 480  
ttgtgg 486

<210> 169

<211> 486

<212> DNA

<213> Streptomyces coelicolor

<220>

<221> misc\_feature

<222> 21-315

<223> n = g, a, c or t/u

<400> 169

ttcataccgc tcatccagag nnnngggcaga gggatnacgg nnnncccgat gaagcccnc 60  
ggcaaccctc cagtcggnnn nnnnnnnnnn nnttcttgct acacggacgt ggcgaggctc 120  
nnnnnnnnnn nnnnccgget agggaaaggtg ccaaattccg tnnnnnnctc acggcgnnnn 180  
nnnnagatgn nnnnnnnnctg cgtgaggaag atgaggagaa agggcctcgc ctccatggct 240  
gtgcagactg ccgaaacctc cacgaaccnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnnn nnnnnccacc gacgccgccc tgcacctcgg ccccgccacc gcgctgagct 360  
gccgggagtg cggccacagg gttccgctcg gaccggtctt cgctgcgaa gagtgtttcg 420  
gccccctcga gatcgctac gacttctcgg actacgacgc cgaagagctg cgcaagcgga 480  
tcgaag 486

<210> 170

<211> 486

<212> DNA

<213> Chlorobium tepidum

<220>

<221> misc\_feature

<222> 21-200

<223> n = g, a, c or t/u

<400> 170

tttcgagcta tcatccagaa nnnaggcgga gggannctgg nnnnccctgc gaagcctnnt 60  
ggcaaccctc atnnnnnnnn nnnnnnnnnn nntccacnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn atgagcggtg ccaaattcca tnnnnnnccc ggannnnnnn 180  
nnnnngaaan nnnnnnnnnn tccgggaaaag atgatgtatg cattcctgct gatttcatac 240  
ctcacttgat gtttcccgca catacctcct gaccccgacc gcgcactacg gatcgagcgc 300  
ttcaaccttg taccatttgc catgagtgag gataacacct tccggttcga gaccttgag 360  
gttcacgccg ggcaggagcc tgatccggtg accggatcgc gcgccgtgcc catttaccag 420  
accacctcct acgtgttcga gaacgccgag cacggcgctg acctgttcgc gtttcgcaag 480  
gcgggc 486

<210> 171

<211> 486

<212> DNA

<213> Thermoanaerobacter tengcongensis

<220>

<221> misc\_feature

<222> 22-307

<223> n = g, a, c or t/u

<400> 171

taacacgctc ttatcaagag annnggtgga gggaanagag nnnncccgat gaaaccnnnc 60  
ggcaacctgt cctnnnnnnn nnnnnnnnnn nnnnnnnnnn nntttaann nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn ggataaggtg ccaattnctc tnnnnnnncag aagannnnnn 180  
nnnttttttn nnnnnnnnnt cttctgaaag atgagggtat gnnnnnnnnn nnnnnnnnnn 240

```

nnnnnnnnnnn nnnnnnnnnn nnnnnnnncc tcttctnnnn nnnnnnnnnn tttnnnnnnn 300
nnnnnnnnnaga agggggtttta ttttgctctt aaggaggga gaagatgcgt agactcttta 360
cttctgagtc agtcactgaa gggcatcctg acaagatctg tgaccagatt tcagatgcca 420
ttttggatga aatttttaaaa aaagaccctt acgcccgcgt ggcattgtgag acagctgtaa 480
ctaccg 486

```

```

<210> 172
<211> 486
<212> DNA
<213> Thermoanaerobacter tengcongensis

```

```

<220>
<221> misc_feature
<222> 22-307
<223> n = g, a, c or t/u

```

```

<400> 172
ttaaaatctc ttatcaagag annnggtgga gggannctgg nnnncccgat gaaaccnnnc 60
ggcaaccagc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnttagnnn nnnnnnnnnn 120
nnnnnnnnnnn nnnnnnnnnn nggcatggtg ccaattncct gnnnnnnncag cgnnnnnnnn 180
nnnngttttn nnnnnnnnnn ncgctgaaag atgagagatt cttgtannnn nnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnn nnnnnnnngt ctcttcnnnn nnnnnnnntt ttagcnnnnn 300
nnnnnnngaa gggacttttt tatttttaaa aaaggagggg cattaaatgt tgaaaaatga 360
aaagctgtgt aataaactta aagaaaagaa atttgtaata actgtggaaa tttctcccc 420
caaaggata gatgtaacta aaactatcga ggaagctcga aaacttaaag gtgtggcaga 480
tgctct 486

```

```

<210> 173
<211> 486
<212> DNA
<213> Thermoanaerobacter tengcongensis

```

```

<220>
<221> misc_feature
<222> 22-299
<223> n = g, a, c or t/u

```

```

<400> 173
ctcaatcctc ttatcaagag tnnnggtgga gggannctgg nnnncccgat gaaaccnnnc 60
ggcaaccggc acnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngtaannn nnnnnnnnnn 120
nnnnnnnnnnn nnnnnnnnnn gtgcttggtg ccaattncct gnnnnnnncag gttgggnnnn 180
nnnngttann nnnnnnnccc agcctgagag atgagaggag aggccgagta attgtgannn 240
nnnnnnnnnnn nnnnnnnnnn nnnnnnnntt actaggccct cttcnnnnnt cattnnnnng 300
aagagggcct aagaattttt ctggaggtgc aaaatgaggg taaagattgg gttgatggga 360
cttggactg ttgggacagg agtattttaa atagttaatt ctagaggag atatatcaag 420
gagagtacgg gattttatcc ggagataaag aaagtgcttg tgaaggattt gcacaaaaaag 480
agaaaa 486

```

```

<210> 174
<211> 486
<212> DNA
<213> Fusobacterium nucleatum

```

```

<220>
<221> misc_feature
<222> 21-307
<223> n = g, a, c or t/u

```

```

<400> 174
tggaataaaa ccatcaagag nnnagattga ggganncagg nnnncccggtt gagatctnnc 60
agcaacctac gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntaaaann nnnnnnnnnn 120

```

```

nnnnnnnnnnn nnnnnnnnnn ntgtgtggtg ctaattncct gnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnn nnnnnnnatag atggaaaaga ttataatata tctnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnct ctatctnnnn nnnnnnnngg aattnnnnnn 300
nnnnnnngga tagagttttt ttatttttaat attttgttaa ttttttaagg agggaaaaaat 360
gaaaaagttt acatacttta catcagaatt tgtttcacca ggacatccag ataaaaatttc 420
agatcaaata tcagatgcaa ttttagatgc ttgtttaaaa gatgacccta attcaagagt 480
tgcctg 486

```

<210> 175

<211> 486

<212> DNA

<213> *Fusobacterium nucleatum*

<220>

<221> misc\_feature

<222> 21-307

<223> n = g, a, c or t/u

<400> 175

```

aaataaataa ccatccagag nnnaaacgga gggannctgg nnnncccaat gatgttttnc 60
agcaacctac nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnttaaattn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nngtgtggtg ctaattncct gnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnagag atggagagga aaattgaaac aagaactaan 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnntc cactactnnnn nnnnnnnnct ataannnnnn 300
nnnnnnnggt atggattttt taattaagta agaatttatt atagaaagta gggatataaaa 360
tgattacact tgaaaatgta aataaaaattt attccaataa cttgcatgct gtaaaagatg 420
ttaatttaaa agttaatgaa ggagatatct ttggaattat aggtttaagt ggtgctggaa 480
aatctt 486

```

<210> 176

<211> 486

<212> DNA

<213> *Deinococcus radiodurans*

<220>

<221> misc\_feature

<222> 22-268

<223> n = g, a, c or t/u

<400> 176

```

agggtcacct ttatccagag tnnccggcgca gggacnctgg nnncccatg accgccgnnc 60
agcaaccggc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nctcatcaen nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn ggcagcggtg ctntttncct gnnnannccc gcgcgagcag 180
cgcccagcga tggcgggcgc cgcgggaacg ataaaggaag gcgggtcctc ttcgcgggtt 240
ccaacggacg gctcagcccn nnnnnnnntg ggcgtccctc tccagacttc ttttcgtcca 300
ggaaggggac gccggttttg ggccgacctc tccgctctcc ccaccggagg cccgccccgt 360
gaccttaccg tcctcccccc cagccttgca cttcgaaggc gtcagcaaaa cctacccccg 420
ccagccggcg ccggcgctga gcgatttgac cctcaccgtt gcgcgcggca gccgcaccgg 480
catcat 486

```

<210> 177

<211> 486

<212> DNA

<213> *Deinococcus radiodurans*

<220>

<221> misc\_feature

<222> 22-315

<223> n = g, a, c or t/u

```
<400> 177
ccgtgcgcgg tcatccagag tnnccgcccc ggggtgntttc ctgncccgcc tacggcgnnc 60
agcaaccggc cnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nttcatcaen nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnn gggtcacgggtg ctntttncag gaaannnggg ccgttttaggt 180
gcgccgacga tggcgcgagn cggcccnng atgcccgcga ggaggtgcat ttccaaccat 240
gagccatcac ccagaagcgt cggcttccnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 300
nnnnnnnnnn nnnnngccaa tccgtccatc aaccatcaac cgtccaccat caccgaggcc 360
gcccgcagc gcatacctgat tctcgacggc gcctggggta cgcagcttca gcgagccaac 420
ctcaccgaag cggacttccg ctgggacgaa gccgacccca cgcggatgta ccggggcaac 480
ttcgac 486
```

```
<210> 178
<211> 486
<212> DNA
<213> Xanthomonas axanopodis
```

```
<220>
<221> misc_feature
<222> 21-315
<223> n = g, a, c or t/u
```

```
<400> 178
cctagcctca ccatcgagac nnnccggcga ggganncagg nnncccttt gatgccgng 60
ggcagccagc ggagcgcnnn nnnnnnnnnnn nnnnnnnnnnn nngcaannn nnnnnnnnnnn 120
nnnnnnnnnn nnnngcgctc gcgtttgggtg ccaaattcct gnnnnnnccg ggacnnnnnn 180
nnctccgcn nnnnnnnngt ccgcccgaag atggttcgaa tcgtgccttg cgcacgtcga 240
acgcgagctc cngcgaagct cgatggccnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 300
nnnnnnnnnn nnnngatcc accctggata ccgccatgag cctcgtgaat actgcatcgc 360
cgtctaccaa cgatttcgtt gacacccccg ccagcagcga cgacggcatc actgccgtgc 420
gcggcgaact tgtcatcgcc ctgccgatgc gccatgccgg catgcgcgag ctgcggctgc 480
gctatg 486
```

```
<210> 179
<211> 486
<212> DNA
<213> Xanthomonas campestris
```

```
<220>
<221> misc_feature
<222> 21-315
<223> n = g, a, c or t/u
```

```
<400> 179
cgtagcctca ccatcgagac nnnccggcga ggganncagg nnncccttt gatgccgng 60
ggcagccagc ggagcgcnnn nnnnnnnnnnn nnnnnnnnnnn nngcaannn nnnnnnnnnnn 120
nnnnnnnnnn nnnngcgccc gcgtttgggtg ccaaattcct gnnnnnnccg ggacnnnnnn 180
nnctccgcn nnnnnnnngt ccgcccgaag atggttcgaa tcgtgccttc tgcacgtcga 240
acgcgagctc ccgcgaagct cgatggccnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 300
nnnnnnnnnn nnnngatcc accccggata tcgccatgag cctcgtgacc acagcatcgc 360
cactcaccac cgctgacacc tacacgcccg ccgctgatag cgacgccccg cctgccgtgc 420
gcggcgagct cgatcatcaat ctaccgatgc gccacgccgg ccaacgcgag ctgcgcctgc 480
gctacg 486
```

```
<210> 180
<211> 486
<212> DNA
<213> Staphylococcus epidermidis
```

<220>

<221> misc\_feature

<222> 21-304

<223> n = g, a, c or t/u

<400> 180

```
ttacctaac ttattttgag nnnaagctga gggatnttgg nnnncccata gaagcttnnc 60
agcaaccgac tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnttaaattnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nagcacggtg ctaatancca annnnnncca gnnnnnnnnn 180
nnnnncaann nnnnnnnnnn nnctcgaatg ataagtagca taannnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngt gcctttacat cnnnnnnnna tttnnnnnnn 300
nnnngagtaa ggcacttttt tagttgaagg aggtaggaac tattatgacg aattacacgg 360
ttaatacatt agaactaggt gagtttaaaa ctgaatctgg tgaaacgatt gatcatttac 420
gtctacgtta tgaacatgta ggacttcctg gtcaaccctt tgctcgttgt tgccatgcac 480
ttactg 486
```

<210> 181

<211> 486

<212> DNA

<213> Staphylococcus epidermidis

<220>

<221> misc\_feature

<222> 22-486

<223> n = g, a, c or t/u

<400> 181

```
acggattctc ttatcctgag tnnnggtgga gggacnatgg nnnacccaat gaaaccnnnc 60
agcaacctct tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatttnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn aaagaaagggt gccaaanccg tnnnttgacg acnnnnnnnn 180
nnnaaatatg nnnnnnnnnn ngtctgaacg ataagagcga atggacgttt aagagccttc 240
tctctatcta tannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480
nnnnnn 486
```

<210> 182

<211> 486

<212> DNA

<213> Geobacter sulferreducens

<220>

<221> misc\_feature

<222> 21-303

<223> n = g, a, c or t/u

<400> 182

```
gtagaccttc ttatcaagag nnntggtgga gggannaagg nnnnccctgt gaaaccannc 60
agcaaccggt ccgnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngtagnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnccg acgccagggtg ctaaattncct gnnnnnnccc nnnnnnnnnn 180
nnnngaaann nnnnnnnnnn nnnngggagcg atgagaggga gcttgtgacc accgacgcgt 240
acannnnnnn nnnnnnnnnn nnnnnnnngg ccccttcccg nnnnnnnnnt ttcennnnnn 300
nnncgggagg gggcctttca ttttcgccgc cgcgcgacg cgcccggtgg gaacatgctc 360
cgtcggcac gtcgaagaac aatccgtcac cttcgaaacg gatctcaggc tggaaagcgg 420
ccggatactg gggcccatca ccctggccta cgagacctac ggccggctga acgccgaccg 480
gtccaa 486
```

<210> 183  
 <211> 486  
 <212> DNA  
 <213> *Geobacter sulferreducens*

<220>  
 <221> misc\_feature  
 <222> 21-305  
 <223> n = g, a, c or t/u

<400> 183  
 acggcttaac ttatcaagag nnncgaccga ggganncagg nnnncccggt gacgtcgnnnc 60  
 ggcaacctcc ccnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatggnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn ggggaaggtg ccaattncct gnnnnnnnca gaccnnnnnnn 180  
 nnnngacann nnnnnnnnnng gtttcgggag ataaggaaga gcgtgacacc tcacggtgaa 240  
 tcgaannnnn nnnnnnnnnn nnnnnnnntc ctcttcggnn nnnnnnnnnn acccnnnnnn 300  
 nnnnncggaa ggggattttt cattgtggag gaaacatga acatcgcgac gcaggcagca 360  
 cagatcggtc tcgactggga taccgcgacc ggggcggtga cggtagccat ctaccagacg 420  
 gcaaccttcc ggcattccggg attgggccag agcaggggt acgattattc ccgctccggc 480  
 aacccc 486

<210> 184  
 <211> 486  
 <212> DNA  
 <213> *Bacillus anthracis*

<220>  
 <221> misc\_feature  
 <222> 22-306  
 <223> n = g, a, c or t/u

<400> 184  
 acacatactc ttatcaagag tnnnggcgga gggannctgg nnnncccgat gatgccnnnc 60  
 ggcaaccgag cttatgnnnn nnnnnnnnnn nnnnnnnnnn nnnnacgnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnntata agctaaggtg ctaattncct gnnnnnnncaa aatgannnnn 180  
 nnnngttttn nnnnnnnntc gttttggaag ataagagagg atcctatttt gtctatttcgn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngc acctctcnnn nnnnnnnnta tttttnnnnn 300  
 nnnnnngaga ggtgcttttt attttggaac atatatgaag ggggaactat agatgaaaaa 360  
 agtattatta agcattgtaa gcggagcggt actattatta ggcgcatgta gcgctggttc 420  
 ggataaagaa gtaaaagcgt tagatgagaa aaagattact gtcggtgtaa caggcgggcc 480  
 gcatga 486

<210> 185  
 <211> 486  
 <212> DNA  
 <213> *Bacillus anthracis*

<220>  
 <221> misc\_feature  
 <222> 21-303  
 <223> n = g, a, c or t/u

<400> 185  
 agcaatttac ttatccagag nnnaggtaga gggannctgg nnnnccctat gacacctnnc 60  
 agcagcgggt tctnnnnnnn nnnnnnnnnn nnnnnnnnnn nngtaatann nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnng gaacaccgtg ctaattncct gnnnnnnncaa gnnnnnnnnn 180  
 nnnncaagtn nnnnnnnnnn nncttgaaag ataagtgatg ggcctttggt tattaannnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngc cttgatctta nnnnnnnntt ttttnnnnnn 300  
 nnntagatc aaggcttttt gtattctaaa aagagaaaag ggagtaatgg aaaaagtacg 360  
 ttcataaaac aaagtaaatt catgtgttta gggggttatg gaagtgtatg taattaaaaa 420  
 attatcggtt atggtgttca cactatgggt tattacgaca gtgacatttc taattatgca 480



tatttat

486

&lt;210&gt; 186

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Bacillus anthracis

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 21-304

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 186

```

tttactcatt gtatcaagag nnnaggtgga gggannctgg nnnncccttt gaaacctnnc 60
ggcagcaggt tcannnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnntttttnn nnnnnnnnnnn 120
nnnnnnnnnnn nnnnnnnnnnt gaatactgtg ccacttnect gnnnnnnncaa gctnnnnnnnn 180
nnnnnttatnn nnnnnnnnnnn agcttgaaag atagaatgag ggacttcggt tatatacggg 240
tgcataaactt gtacgtaaaa annnnnnnntc cctctttctc nnnnnnnnna atacnnnnnn 300
nnnngaaaag agggattttt tatttttcat ttccctcatc atcatccaaa cttaattatt 360
taggagggaaa atcaaatgaa aaagaagttt gtaccgggta ttgcatcagt tgtaggagta 420
agtattttat taactgggtg cggtagttaa aaaaacgaag caagcgggagc aaatgcaaaa 480
gacgag                                         486

```

&lt;210&gt; 187

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Bacillus anthracis

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 21-298

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 187

```

cgatacatte ttatccagag nnnaggtgga gggannctgg nnnnccctac gataacctnnc 60
agcaacgggt tnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnntttttnn nnnnnnnnnnn 120
nnnnnnnnnnn nnnnnnnnnnn naataccgtg ctaactncca gnnnnnnncaa gccnnnnnnnn 180
nnnatataaaa nnnnnnnnnnn ggcttggaag atgagaagat gtgaccgagt acatataann 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnngt gctctccttc ttatcnnttt atgggttnnga 300
taagaaggag agcacttttt attttacctc gagagctcta cttcaagttt ttacagcata 360
taggagggggg aaaaatgatt tcttttaata atgtaagtaa agtatatgaa tcagggtgggc 420
aatctgttca tgcgggtggag gatgtaacgt tatcagttga gaaaggcgaa atttttggca 480
ttatcg                                         486

```

&lt;210&gt; 188

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Bacillus anthracis

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-305

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 188

```

gaataattct ttatcaagag annnggcaga gggannccgg nnnncccttt gaagccnnnc 60
agcaacctca gtttnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnatacnnn nnnnnnnnnnn 120
nnnnnnnnnnn nnnnnnaaac tgaataggtg ctaattncct gnnnnnnncaa aatgcnnnnnn 180
nnnnnatttnn nnnnnnnngc attttgaaag ataaaacgta actattgtgt acaaaaannnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnct catctttcnn nnnnnnnnttg atcatnnnnn 300

```

```

nnnnngaaag gtgagttttt ttatatattca aaacatatat tggaggtatt taaaatgaaa 360
gtaattgacc tatcacaac attcgaaaat aatatgtctc aatttcctgg aacaccaaaa 420
atcaatttag aagccattac aagcgttgaa gaaacagggt atcaagttac agatttccat 480
tctgtc 486

```

```

<210> 189
<211> 486
<212> DNA
<213> Bacillus anthracis

```

```

<220>
<221> misc_feature
<222> 22-308
<223> n = g, a, c or t/u

```

```

<400> 189
aatacaaagc ttatcaagag annnagcgga gggaanctgg nnnncccggc gaagctnnnc 60
ggcaacctgc ttnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatagann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn aagcaagggtg ctaaattcca gnnnnnncaa aatggnnnnn 180
nnnnnaatnn nnnnnnnncc attttgaaag ataaggtaaa atatattacc gaacagnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnntc ttttcnnnnn nnnnnnnnga aatgnnnnnn 300
nnnnnnnnng aaagattttt tttatgaata aaaagggggg ctgttcgcgt gagcgtagcg 360
gaacattttg aggaagtgtc tgagagaatt caagcgatgc ttgctgatat gaaatatggg 420
tcaattacaa ttgttgtaca agatggaaaa gtcattcaac tagagaaaag tgaaaaagta 480
cgttta 486

```

```

<210> 190
<211> 486
<212> DNA
<213> Bacillus anthracis

```

```

<220>
<221> misc_feature
<222> 21-305
<223> n = g, a, c or t/u

```

```

<400> 190
tgaaaccttc ttataaagag nnnagggcga gggannctgg nnnnccctac gatgcctnnc 60
ggcagcggac tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngattttan nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn gagtgtgtg ccaaattcca gnnnnnncaa gcnnnnnnnn 180
nnnnatgtnn nnnnnnnnnn ngcttgaaag atgagaagag cgtttcttat agatgtataa 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnga cctcttctnn nnnnnnnnnc gtnnnnnnnn 300
nnnnnggaag aggtcttttg ttattcatta gaaaaaagg tgaactagg gagagatggg 360
actttgaaag aaacgagagg aaatggtttg gctttattac cacttgggat atttttggcg 420
ctatttatag gttctggaat tattacaggt gatttctata aattgccgat acttgtagca 480
atttca 486

```

```

<210> 191
<211> 486
<212> DNA
<213> Bacillus anthracis

```

```

<220>
<221> misc_feature
<222> 21-306
<223> n = g, a, c or t/u

```

```

<400> 191
aaattaatac ttatccagag nnnagggtgga gggaancggn nnnnccctat gaaacctnnc 60

```

```

agcaaccctt atgtnnnnnn nnnnnnnnnn nnnnnnnnnn nnnaaatnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnngca taggaagggtg ctaattnccg nnnnnnnncag agaacacnnn 180
nnnnngttnn nnnnnngtgt tttttggaag atgagaggat tcttgaacgt gaaagaaaaan 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnntg acctcttnnn nnnnnnnnna tgtnnnnnnn 300
nnnnnnaaga ggtcattttt tgttgatatag aaagggagtg tcgatgcata attcattttc 360
aaaataaata tagagtaata aaagttgact attaagagag gggaattata atgaacagat 420
tatcaacaaa attagtagta gcaatcggaa ttggatcagc attatacggg atattaggac 480
tttggg 486

```

<210> 192  
 <211> 486  
 <212> DNA  
 <213> Bacillus anthracis

<220>  
 <221> misc\_feature  
 <222> 21-304  
 <223> n = g, a, c or t/u

```

<400> 192
atgaaaattc ttatcacgag nnnaggtgga gggannctgg nnnnccctat gaaacctnnc 60
ggcagcggat tcgnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttannn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnt gaatactgtg ccaattncca gnnnnnncaa gnnnnnnnnn 180
nnngtaann nnnnnnnnnn nncttgaaag ataagaaaga agctcatttt gactatatat 240
acagaannnn nnnnnnnnnn nnnnnnnngc ctctttctan nnnnnnnnt ctttnnnnnn 300
nnnntagaaa gaggtctttt tacgtgaaaa taaaaggagg aagaaaaatg ggagcgacag 360
gagtagcgtc acaaagaaaa acaattgaag agagtatcga aagaaataag gaaaagtaca 420
tagaaacaag tcatgatatt catgcgaatc cggagattgg taatcaagaa ttttacgcat 480
ctagaa 486

```

<210> 193  
 <211> 486  
 <212> DNA  
 <213> Bacillus anthracis

<220>  
 <221> misc\_feature  
 <222> 22-308  
 <223> n = g, a, c or t/u

```

<400> 193
gaatatattt ttatccagag annnggtgga gggannctgg nnnncccgat gaaaccnnnc 60
agcaaccgcn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngatnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nngcagggtg ctaattncca gnnnnnnncag aacannnnnn 180
nnnnaattnn nnnnnnnnt gttctgggag ataagacgaa gatataatag taannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct tcttcnnnnn nnnnnnnnt tatcnnnnnn 300
nnnnnnnnng agaggtttt ttattgcaaa aaaaccgatt acgaaaaaat ttatattaag 360
aagaaagggg ttgcgaagta ctgtgacact cgaaaaatac gtaaaactgc gtagtacagt 420
ttatgaatat atgatagagc aagataagcc aatatcattg ttagatattc aagaacatat 480
cgtttc 486

```

<210> 194  
 <211> 486  
 <212> DNA  
 <213> Bacillus anthracis

<220>  
 <221> misc\_feature  
 <222> 23-306  
 <223> n = g, a, c or t/u

&lt;400&gt; 194

```
tatacaactc ttatcaagag cannggtgga gggatnttgg nnnncccgat gaagccnnnc 60
agcaaccgac cnnnnnnnnnn nnnnnngtaa taccattgtg aaatggggcg tttatgacgc 120
caaaaannnnn nnnnnnnnnn nggcacgggtg ctaattncca gnnnnnnncag aaagtannnnn 180
nnnnnaaann nnnnnnnnnn tttctggcag ataagagggg agaagataaa cttcaaannnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc tctttctnnn nnnnnnnnnt agtnnnnnnnn 300
nnnnnnnggaa agagggtttt ctacgtcaga aaaacctctg aatgaaaaaa ggggggagaag 360
acgatgggat attattcatt aacagaagta accgctgtac aatatgcgaa agaacatggt 420
tattttgaaa agaaagcaaa tgtagtttgt catgaaattg gagatggaaa tttaaattat 480
gtgttc 486
```

&lt;210&gt; 195

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Bacillus anthracis

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-309

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 195

```
taaatacttc ttatcaagag cannggtgga ggganncgag nnnncccgac gaaaccnnnc 60
ggcaaccgat ctacannnnn nnnnnnnnnn nnnnnnnnnn nnntaatnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnntgt agacacgggtg ctaattnctc gnnnnnnncag cnnnnnnnnn 180
nnnnattacn nnnnnnnnnn nngctgacag ataaggagct gggtgtaaaa aaannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc tctcnnnnnn nnnnnnnnct tagctnnnnn 300
nnnnnnnnng agagggtttt ttatttaact aggaggttat aacaatgagc ggaattatag 360
cgacgtattt aatccatgat gattcacata acttagaaaa aaaagctgag caaattgcac 420
tcggtttaac aattggctct tggactcatt tgccacactt attgcaagaa cagttaaagc 480
agcata 486
```

&lt;210&gt; 196

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Bacillus anthracis

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 21-308

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 196

```
acgaacattc ttatctagag nnnaggtaga gggannctgg nnnnccctat gacgcctnnc 60
agcaaccatt aacnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatttnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnngt taataagggtg ctaattncca gnnnnnncaa attnnnnnnn 180
nnngcgaaan nnnnnnnnnn aatttgacag atgagaagaa gactctattc aaaccgaaan 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc cttctnnnnn nnnnnnnnnt cttnnnnnnn 300
nnnnnnnnag aaggctttt ttattttata ttcaactact ggttcaattt aaaaaggagg 360
aatttttaca tgtcaactat cgaaacaaaa cttagcgaaa tcggaaaccg gagtgaact 420
acaacaggaa ctgttaatcc gcctgtttac ttttcaactg cttatcgta cgaaggaatt 480
ggtaaa 486
```

&lt;210&gt; 197

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Bacillus anthracis

<220>  
 <221> misc\_feature  
 <222> 22-304  
 <223> n = g, a, c or t/u

<400> 197  
 aagacaactc ttattgagag cnnnggtgga gggannaagg nnnnccctgt gaaaccnnnc 60  
 ggcaaccttc aaacnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngaaatnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnngt tgaaacggtg ctaatanccct gnnnnnncaa aacnnnnnnn 180  
 nnnngaattnn nnnnnnnnnn gttttgcata ataagaggag gaacaattat gttnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn cctcttcann nnnnnnnnnn aagnnnnnnn 300  
 nnnntgaaga ggggggtttt atattgatag aaatgaggga gatttgtgaa attactagat 360  
 ttattgtcaa aaggaattgt aataggtgat ggtgcggttg gaacattatt acattcacac 420  
 ggtttgcaaa gtagttttga agaattgaat atatctgac cagatttaat tatatcgatt 480  
 cataag 486

<210> 198  
 <211> 486  
 <212> DNA  
 <213> Bacillus anthracis

<220>  
 <221> misc\_feature  
 <222> 23-304  
 <223> n = g, a, c or t/u

<400> 198  
 ggatactctc ttatcccagag ctngggcgga ggganncagg nnnncccgat gaagccnnnc 60  
 agcaacctca ctgtannnnn nnnnnnnnnn nnnnnnnnnn ngtggtaaan nnnnnnnnnn 120  
 nnnnnnnnnn nnnntacagg tgaatagggtg ctaaaancct gnnntgncga ggctnnnnnn 180  
 nnnnnacann nnnnnnnngt gtctcgaacg ataagagcga agggcaaaaa gcagtatgca 240  
 agtagcaaat taaannnnnn nnnnnnnncc tttctctnn nnnnnnnnat ataannnnnn 300  
 nnnnagtagg aaagggtttt ctgtatgctt gtgtgggaga ataaatgtat gtcgcaatct 360  
 gtggcaaatt aaggatgagt tccgtacaat atatacaatt actgtaggga ggtttaccac 420  
 atgacaaaaa aacgtcatct gttcacatct gagtctgtaa ctgaaggaca tccagataaa 480  
 atttgt 486

<210> 199  
 <211> 486  
 <212> DNA  
 <213> Bacillus anthracis

<220>  
 <221> misc\_feature  
 <222> 22-304  
 <223> n = g, a, c or t/u

<400> 199  
 ctgatttctc ttatcaagag annnggtgga gggacntgtg nnnnccctgt gaagccnnnc 60  
 ggcaaccgtc aacnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnttatnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnngt tgaaatgggtg ccaattncct gnnnnnncaa agcnnnnnnn 180  
 nnnnaaatgn nnnnnnnnnn nctttgagag atgagagaga gggataatgt tggtatatac 240  
 gcatataaan nnnnnnnnnn nnnnnnnncc tttctgcttn nnnnnnnnnc tctannnnnn 300  
 nnnnaagcgg aaagggtttt ttgttggttg aatgtggagg acattcaaata aataaaaagta 360  
 atgagaacgg tgggctaccg tatcaaaaat aaaaaattgc ggagtcaatc aaaaatctag 420  
 ctccagcggc tagaacagtc ggtcgtttca tcccttcta tgaggcaaaa agcgctctca 480  
 agtctg 486

<210> 200  
 <211> 486  
 <212> DNA

<213> Bacillus anthracis

<220>

<221> misc\_feature

<222> 22-301

<223> n = g, a, c or t/u

<400> 200

```

ttgcatagtc ttatcaagaa annaggtgga ggganncagg nnnncccgat gaaacctnnt 60
ggcaacagcc gtannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnatannn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn cggaattgtg ccaaattcct gnnnnnnncag gnnnnnnnnn 180
nntaataaat nnnnnnnnnn nncctgagag ataagaaaga gccttttagag cgtgttttca 240
aannnnnnnn nnnnnnnnnn nnnnnnnnct gctcctttct tgannnnnnnt tttnnnnnnn 300
ncaggaaagg ggcagttttt tattttgtat aaaagaaagg agaattgagaa atggggagaat 360
catgggggaa aggaacgatt tgtgtgcaag gtggctatac gccaaagaat ggagaaccgc 420
gtgtttttacc gctttatcaa agcacgacgt ataatatga tacttcggat gatttagcag 480
cattat
486

```

<210> 201

<211> 486

<212> DNA

<213> Bacillus cereus

<220>

<221> misc\_feature

<222> 21-298

<223> n = g, a, c or t/u

<400> 201

```

cgatacatc ttatccagag nnnaggtgga gggannctgg nnnnccctac gataacctnnc 60
agcaacgggt tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnttttttnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn naataccgtg ctaactncca gnnnnnncaa gcctnnnnnn 180
nnnnnatgan nnnnnnnnna ggcttggaag atgagaagat gtgaacgagt acatataann 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngt gctctccttc ttatcnnttt atgggttnnga 300
taagaaggag agcacttttt attttacctc gagagctctg cttcaagttt tcacagcata 360
taggagggga aaaaatgatt tcttttaaca atgtaagtaa agtatatgaa acagggtgggc 420
aatctgttca tgcggtggag gatgtaacat tatcagttga gaaaggcgaa atttttggca 480
ttatcg
486

```

<210> 202

<211> 486

<212> DNA

<213> Bacillus cereus

<220>

<221> misc\_feature

<222> 21-304

<223> n = g, a, c or t/u

<400> 202

```

caaacaattc ttatgttgag nnaaagtgga ggganncgagg nnnnccctat gaaacttnnc 60
ggcaacctcg tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatgagnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn acgaaagggtg ccaaattcct gnnnnnnncag gtgannnnnn 180
nnaaagaaan nnnnnnnnnn cacctgaaag ataagagcgg ttcaattagt caagaagann 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc tactcttatn nnnnnnnnt tcgannnnnn 300
nnnnataaga gtagcttttt ttatggctaa aagttaaagg gggaaatagg agtggagtat 360
ggtttttggg tgccgatttt tgggggatgg ctccggaatg taaatgatga atctatgccg 420
cctacgtttg agtatgcaaa acaaacggcg caagcggcag aacaattagg tttttcaaca 480
acactt
486

```

<210> 203  
 <211> 486  
 <212> DNA  
 <213> Bacillus cereus

<220>  
 <221> misc\_feature  
 <222> 22-308  
 <223> n = g, a, c or t/u

<400> 203  
 aatacaaagc ttatcaagag annnagcggg gggaaactgg nnnncccggc gaagctnnnc 60  
 ggcaacctgc ttnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatagann nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn aagcaagggtg ctaaattcca gnnnnnncaa aatggnnnnn 180  
 nnnnnaatnn nnnnnnnncc attttgaaag ataaggtaaa atatattacc gaacagnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnntc ttttcnnnnn nnnnnnnnga aatgnnnnnn 300  
 nnnnnnnngg aaagattttt tttatgaata aaaagggggg ctgttcgcgt gagcgtagcg 360  
 gaacattttg aggaagtatc tgagaaaatt gaagcgatgc ttgctgatat gaaatatggt 420  
 tcaattacaa ttgttggtgca agatggcaaa gtcattcaat tagagaaaag tgaaaaagta 480  
 cgttta 486

<210> 204  
 <211> 486  
 <212> DNA  
 <213> Bacillus cereus

<220>  
 <221> misc\_feature  
 <222> 21-305  
 <223> n = g, a, c or t/u

<400> 204  
 tgaaaccttc ttataaagag nnnaggcggg gggannctgg nnnnccctac gatgcctnnc 60  
 ggcagcggac tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngatttcann nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn gagtgcgtgtg ccaaattcca gnnnnnncaa gcnnnnnnnn 180  
 nnnnatatnn nnnnnnnnnn ngcttgaaag atgagaagag cgtttcttat agatgtataa 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnga cctcttctnn nnnnnnnnnc gatnnnnnnn 300  
 nnnnnggaag aggtcttttg ttattcatta gaaaaaggtt gaaactaggg agagatggta 360  
 ctttgaaaga aacgagagga aatggtttgg cattattacc acttgggata tttttggcgc 420  
 tattttattg ttctggaatt attacagggtg atttctataa attgccgata cttgtagcaa 480  
 tttcaa 486

<210> 205  
 <211> 486  
 <212> DNA  
 <213> Bacillus cereus

<220>  
 <221> misc\_feature  
 <222> 21-306  
 <223> n = g, a, c or t/u

<400> 205  
 aaattaatac ttatccagag nnnagggtgga gggaaanncg nnnnccctat gaaacctnnc 60  
 agcaaccctt atannnnnnn nnnnnnnnnn nnnnnnnnnn nntatattnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnta taggaagggtg ctaattnccg nnnnnnnnag agaacacnnn 180  
 nnnnngatnn nnnnnngtgt tttttggaag ataagaggat tcttgaacgt gaaagaaaan 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnntg acctcttnnn nnnnnnnnna tgtnnnnnnn 300  
 nnnnnnaaga ggtcattttt tggtgtatag aaaggggagt tcgatgcata attcattttc 360

aaaataaata tagagtaata aaagttgact attaagaggg gagaattgta atgaataaat 420  
 tatcaacaaa attagtagtg gcaatcggaa ttggagcagc attatacggg atattaggac 480  
 tttggg 486

<210> 206  
 <211> 486  
 <212> DNA  
 <213> *Bacillus cereus*

<220>  
 <221> misc\_feature  
 <222> 21-304  
 <223> n = g, a, c or t/u

<400> 206  
 atgaaaattc ttatcacgag nnnaggtgga gggannctgg nnnnccctat gatacctnnc 60  
 ggcagcggat tcgnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttannn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn gaatactgtg ccaattncca gnnnnnncaa gnnnnnnnnn 180  
 nnnngtaann nnnnnnnnnn nncttgaaag ataagaaaga agctcatttt gactgtatat 240  
 gcagaannnn nnnnnnnnnn nnnnnnnngc ctctttctan nnnnnnnnnn ctttnnnnnn 300  
 nnnntagaaa gaggtttttt tatgtgaaaa tataaggggg aagaaaaatg ggagcgacag 360  
 gagtaacgtc acaaagaaaa acaattgaag agagtattga aagaaataag gaaaagtaca 420  
 tagaaacaag tcacgatatt catgcgaatc cggagattgg taaccaagag ttttacgcat 480  
 caagaa 486

<210> 207  
 <211> 486  
 <212> DNA  
 <213> *Bacillus cereus*

<220>  
 <221> misc\_feature  
 <222> 21-305  
 <223> n = g, a, c or t/u

<400> 207  
 attagttttc ttattaagag nnnagatgga gggannctgg nnnncccgat gaaatctnnc 60  
 agcaacaggc tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnataaann nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn nagtactgtg ctaagtncca gnnnnnncaa acgtnnnnnn 180  
 nnnnatgaan nnnnnnnnnn cgtttggaag atgaggggaa atggattaac attcaannnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnct cttcttatnn nnnnnnnnna tgtnnnnnnn 300  
 nnnngtaag aagagttttt tatttagaga ggggggtag agtgaagttt gatgtaacgt 360  
 attttttaga aagttttccg caattattta agtatgtata cataacttta ggaattactg 420  
 tagtttcaat gattatttct tttgttatag ggataggttt ggcgatcata acgaaaaaca 480  
 aaacga 486

<210> 208  
 <211> 486  
 <212> DNA  
 <213> *Bacillus cereus*

<220>  
 <221> misc\_feature  
 <222> 22-308  
 <223> n = g, a, c or t/u

<400> 208  
 gaatatatttc ttatccagag annnggtgga gggannctgg nnnncccgat gaaaccnnnc 60



```

agcaaccgcn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngatnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnngcagggtg ctaattncca gnnnnnnncag aacannnnnn 180
nnntatttnn nnnnnnnnnt gttctgggag ataagacgaa gatataacg taannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct tcttcnnnnn nnnnnnnnnt tatcnnnnnn 300
nnnnnnnnng agagggtttt ttattgcaaa aaaaccgatt acgaaaattt atattaagaa 360
gaaaggggtt ggcgattact gtgacactcg aaaaatacgt caaactgcgt agtacagttt 420
atgaatatat gatagagcaa gataagccaa tatcattgtt agatattcaa gaacatatcg 480
tttcgc 486

```

<210> 209

<211> 486

<212> DNA

<213> Bacillus cereus

<220>

<221> misc\_feature

<222> 23-309

<223> n = g, a, c or t/u

<400> 209

```

taaatacttc ttatcaagag cannggtgga ggganncgag nnnncccgac gaaaccnnnc 60
ggcaaccgat ctacnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnaattnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnngt agacacgggtg ctaattnctc gnnnnnnncag cnnnnnnnnn 180
nnnnattacn nnnnnnnnnn nngctgacag ataaggagct ggttgtaaaa aaannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc tctcnnnnnn nnnnnnnnct tagctnnnnn 300
nnnnnnnnng agagggtttt ttatttaact aggaggttat aacaatgagc ggaattatag 360
cgacatatat aatccatgat gattcacata acttagaaaa aaaagctgag caaattgcac 420
tcggtttaac aattggctct tggactcatt tgccacattt attgcaagaa caattaaagc 480
agcata 486

```

<210> 210

<211> 486

<212> DNA

<213> Bacillus cereus

<220>

<221> misc\_feature

<222> 22-304

<223> n = g, a, c or t/u

<400> 210

```

agacaaactc ttattgagag cnnnggtgga gggannaagg nnnnccctgt gaaaccnnnc 60
ggcaaccttc aaacnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngaaatnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnngt tgaaacgggtg ctaatancct gnnnnnnncaa aacnnnnnnn 180
nnnnngaatt nnnnnnnnnn gttttgcata ataagaggag gatcgattat gtannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc cctcttcan nnnnnnnnnn aagnnnnnnn 300
nnntgaaga ggggggtttt atattgatag aaatgaggga gatttgtgaa attactagat 360
ttattatcaa aaggaattgt aatagggtgat ggtgcggttg ggacgttatt acattcacat 420
ggtttacaaa gtagttttga agaattgaat atatctgac cagatttaat tatatcgatt 480
cataag 486

```

<210> 211

<211> 486

<212> DNA

<213> Bacillus cereus

<220>

<221> misc\_feature

<222> 21-308

<223> n = g, a, c or t/u

```

<400> 211
acgaacattc ttatctagag nnnaggtaga gggannctgg nnnnccctat gacgcctnnc 60
agcaaccatt aacnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnatttnnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnngt taataagggtg ctaattncca gnnnnnncaa attnnnnnnnn 180
nnngtgaaan nnnnnnnnnnn gatttgacag atgagaagaa gactctattc aaaccgaaan 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnngc cttctnnnnn nnnnnnnnnt cttnnnnnnnn 300
nnnnnnnnnag aagggttttt tattttatat tcaactaatg gttcaattta aaaaggagga 360
attttcacat gtcaactatc gaaacaaaat tagcgcaaat cggaaaccgg agtgaaacta 420
caacaggaac tgtaaatcca cctgtttatt tttcaactgc ttatcgtcac gaaggaattg 480
gtaaat 486

```

```

<210> 212
<211> 486
<212> DNA
<213> Bacillus cereus

```

```

<220>
<221> misc_feature
<222> 23-306
<223> n = g, a, c or t/u

```

```

<400> 212
tatacaactc ttatcaagag cannggtgga gggatnttgg nnnncccgat gaagccnnnc 60
agcaaccgac cnnnnnnnnnn nnnnnngtaa taccattgtg aaatggggcg tttatttacg 120
ccaaaannnn nnnnnnnnnnn nggcacgggtg ctaattncca gnnnnnnncag aaagtannnn 180
nnnnnaaann nnnnnnnnnac tttctggcag ataagagggg agaagataaa cttcaaannn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnncc tctttctnnn nnnnnnnnnt agtnnnnnnn 300
nnnnnnggaa agaggttttt ctacgtcaga aaaacctctg aatataaaaa agggggagaa 360
gacgatggga tattatgcat taactgaaac aacagctata caatatgcga aagaacacgg 420
ttatttgaa aagaaagcaa atgtattttg tcatgaaatt ggagatggaa atttaaatta 480
cgtgtt 486

```

```

<210> 213
<211> 486
<212> DNA
<213> Bacillus cereus

```

```

<220>
<221> misc_feature
<222> 23-307
<223> n = g, a, c or t/u

```

```

<400> 213
ggatactctc ttatcccgag ctngggcgga ggganncagg nnnncccgat gaagccnnnc 60
agcaacctca cttgtnnnnn nnnnnnnnnnn nnnnnnnnnnn attggtaaac nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnacaag tgaatagggtg ctaaaancct gnnntgncga ggctnnnnnn 180
nnnnnacann nnnnnnnnnng gtctcgaacg ataagagcga agggcaaaaa gcagtatgca 240
agtagcaaat taaannnnnn nnnnnnnncc tttcctnnnn nnnnnnctct attatgtnnn 300
nnnnnnnagg aaaggttttt ctgtatgctt gtgtgggaga ataaatgtat gtcgcaatct 360
gtggcaaatt aaggatgagt tccgtacaat atatacaatt actgtaggga ggtttaccac 420
atgacaaaaa aacgtcatct gttcacatct gagtctgtaa ctgaaggaca tccagataaa 480
atttgt 486

```

```

<210> 214
<211> 486
<212> DNA
<213> Bacillus cereus

```

```

<220>
<221> misc_feature
<222> 22-304

```

<223> n = g, a, c or t/u

<400> 214

```
ctgatttctc ttatcaagag annnggtgga gggacntgtg nnnnccctgt gaagccnnnc 60
ggcaaccgtc aacnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntttatnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnngt tgaaatggtg ccaattncct gnnnnnncaa agcnnnnnnn 180
nnnnnaatnn nnnnnnnnnn gctttgagag atgagagaga gggataatgt tgttatatac 240
gcacataaan nnnnnnnnnn nnnnnnnncc tttctgcttn nnnnnnnnnn tctannnnnn 300
nnnnaggcag aaaggttttt ttgttggttg aatgtggagg acattcaaata aataaaagta 360
gtgataacgg tggactacac gcattaaaca taaaaaattg cggagtcgat ccaaacaaaa 420
aagggggtgat acaccatgat tctattagag aatgtaaaga aaatatataa agcaaaaagc 480
ggtgat 486
```

<210> 215

<211> 486

<212> DNA

<213> *Bacillus cereus*

<220>

<221> misc\_feature

<222> 22-301

<223> n = g, a, c or t/u

<400> 215

```
ttgcatagtc ttatcaagaa annaggtgga ggganncagg nnnncccgat gaaacctnnt 60
ggcaacagcc gtnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnatannn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnna cggaaattgtg ccaaattncct gnnnnnnncag gnnnnnnnnn 180
nntaataaac nnnnnnnnnnn nncctgagag ataagaaaga gccttttagag cgtggttttca 240
aannnnnnnn nnnnnnnnnnn nnnnnnnnnct gctcctttct tgnnnnnnnt tttnnnnnnn 300
ncaggaaaagg ggcagttttt tattttgtat aaaagaaaagg agaataagag atggggagaat 360
catgggggaa aggaacaatt tgcgtgcaag gtggctatac gccaaagaat ggtgaaccgc 420
gtgtttttacc gctttatcaa agtacaacgt ataaatacga tacttcggat gatttagcag 480
ccttat 486
```

<210> 216

<211> 486

<212> DNA

<213> *Bacillus cereus*

<220>

<221> misc\_feature

<222> 21-304

<223> n = g, a, c or t/u

<400> 216

```
tttactcatt gtatcaagag nnnaggtgga gggannctgg nnnncccttt gaaacctnnc 60
ggcagcaggt tcannnnnnnn nnnnnnnnnn nnnnnnnnnn nnntttttnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnt gaatactgtg ccacttncct gnnnnnncaa gctnnnnnnn 180
nnnnntatnn nnnnnnnnnn agcttgaaag atagaatgag ggacttcggt tatatacggg 240
tgcataactt gtacgtaaaa annnnnnnntc cctctttcnn nnnnnnnntc aatatnnnnn 300
nnnngaaaag agggattttt tatttttcat ttccctcatc atcatccaaa cttaattatt 360
taggaggaaa atcaaatgaa aaaaaagttt gtacccggtt ttgcatcagt tgtaggagta 420
agtattttat taactgggtg cggtagttat aaaaacgaag caagcggagc aaatgcaaaa 480
gacgag 486
```

<210> 217

<211> 486

<212> DNA

<213> *Bacillus cereus*

<220>  
 <221> misc\_feature  
 <222> 22-306  
 <223> n = g, a, c or t/u

<400> 217  
 acacatactc ttatcaagag tnnnggcgga gggannctgg nnnncccgat gatgccnnnc 60  
 ggcaaccgag cttatannnn nnnnnnnnnn nnnnnnnnnn nnnnacgnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnntata agctaagggtg ctaattncct gnnnnnncaa aacgannnnn 180  
 nnnngttcnn nnnnnnnntc gttttggaag ataagagagg aatctatttt gtctattcgn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngc acctctcnnn nnnnnntta tttttnnnnn 300  
 nnnnnngaga ggtgcttttt attttggaac gtatatataa gggggaatta tagatgaaga 360  
 aagtattatt aagcattgta agtggggctg tattattatt aagcgcgatg agcgggagtt 420  
 cagataaaga agtaaaagcg ttagatgaga aaaagattac tgtcgggtga acaggagggc 480  
 ctcagt 486

<210> 218  
 <211> 486  
 <212> DNA  
 <213> *Bacillus cereus*

<220>  
 <221> misc\_feature  
 <222> 21-303  
 <223> n = g, a, c or t/u

<400> 218  
 agcaatttac ttatccagag nnnaggtaga gggannctgg nnnccctat gacacctnnc 60  
 agcagcgggt tctnnnnnnn nnnnnnnnnn nnnnnnnnnn nngtaatann nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnng gaacaccgtg ctaattncct gnnnnnncaa gnnnnnnnnn 180  
 nnnncaagtn nnnnnnnnnn nncttgaaag ataagtgatg ggcctttgtt tattaannnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngc cttgatctta nnnnnnnnt tttttnnnnn 300  
 nnntaagatc aaggcttttt gtattctaaa aagagaaaag ggagtaatgg aaaaagtacg 360  
 ttcataaaac taagtaaata tatgtgttta ggggggtatt ggagtgtatg taattaaaaa 420  
 attatcagtt atggtgttca cgctatgggt tattacgacg gtgacatttc taattatgca 480  
 tattat 486

<210> 219  
 <211> 505  
 <212> RNA  
 <213> *Agrobacterium tumefaciens*

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

<400> 219  
 uacuaauaugu gguguucaag guuncuuccg auucnnnnnn nnnnnngcua nnnnnnnnnn 60  
 nnnngguugg gagcunnaag acgggaaunu cggugcguaa cgccnnnauc acnnnnggcg 120  
 gagcaaggcc gaaacugccc ccgcaacugu gangcggnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn cgagcaucgu uccgauuugn nnnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnag ccacuggagc 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnncaa aannnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnngcu ccgggaaggc uggaauagau guugugacnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcnaa agucaggaga 480  
 ccugccuuga gcgcaaaugu ccacg 505

<210> 220  
 <211> 505  
 <212> RNA

<213> Agrobacterium tumefaciens

<220>

<221> misc\_feature

<222> 23-469

<223> n = g, a, c or u

<400> 220

```
ccuuauguga gaaagcgacg gunnuccuac agccnnnnnn nnnnnngaaa nnnnnnnnnn 60
nnnggcgaag ggauunnaau angggaacna uggugcgggc gannnnnnuc uunnnnnnuc 120
guccaaugcc uggcgugccc ccgcaacugu aangcggaau nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnngu uguucauccc agugacgcuu gaaggcgua 240
unnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacuguuuu 300
unnnnnnnnn nnnnnnnnnn nnnnnnnnuu cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnngaau gcggaagc nagaugaggg acgcannnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn aaucggunng agccaggaga 480
ccugccguca aauggaaac caucg 505
```

<210> 221

<211> 505

<212> RNA

<213> Agrobacterium tumefaciens

<220>

<221> misc\_feature

<222> 24-469

<223> n = g, a, c or u

<400> 221

```
cggauaacau guccgugaug guuncuucc gggnnnnnnn nnnnnncgun nnnnnnnnnn 60
nnnnuccgga aggugnnaaa angggaacna cgauagggan nnnnnnnnca aannnnnnnn 120
nuccucauuc guggcgugccc ccgcaacugu gangcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nagagccuga aacgaaaugc cacuggcaan nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccaucucnnn 300
nnnnnnnnnn nnnnnnnnnn nnnngccucc aucaannnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn gggggaagc aaugccggga agguguuua gguuuugacn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunna agccaggaga 480
ccugccaucg cggaaauauc caucg 505
```

<210> 222

<211> 505

<212> RNA

<213> Agrobacterium tumefaciens

<220>

<221> misc\_feature

<222> 24-469

<223> n = g, a, c or u

<400> 222

```
gacauugguu agccaucgug guuncugcgg acnnnnnnnn nnnnnngaag nnnnnnnnnn 60
nnnnnguccg gagcunnaag angggaauu cggugagggc unnnnnuuua ucacnnnnna 120
gccugaaucg gaagcugccc ccgcaacugu aangcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnacgagc gaaaguccau caunnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ucacugagg 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc ggnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnncc ucgggaagac nnggaccaaa gcuaugaccn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncgcna agccaggaga 480
ccugccgcga uagauaacgu ccacg 505
```

<210> 223

<211> 505  
 <212> RNA  
 <213> Agrobacterium tumefaciens

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

<400> 223  
 cccauagcuu cuccggucag gugncgccgccc nnnnnnnnnnn nnnnnncuug cnnnnnnnnnn 60  
 nnnnnnnnggc gggagnnaau cngggaaunc cggugannnn nnnnnnnnnnn nnnnnnnnnnn 120  
 nnnnaagacc ggaacgugnc ccaacgcugu aanggcnnnn nnnnnnnnnnn nnnnnnnnnnn 180  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnggaug cucuuuuucu caunnnnnnn nnnnnnnnnnn 240  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacugaann 300  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng caannnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360  
 nnnnnnnnnnu ucgggaaggc nngaaagggg cggaugaann nnnnnnnnnnn nnnnnnnnnnn 420  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnngcunnu agucagaaga 480  
 ccggccuggc aggauagacc gaacc 505

<210> 224  
 <211> 505  
 <212> RNA  
 <213> Agrobacterium tumefaciens

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 224  
 cuaaggguaa gggacugacg gunncuuuuc ccgnnnnnnnn nnnnnngcaa nnnnnnnnnnn 60  
 nnnncgggaa aagcunnaag angggaacna cgguuccgcc cnnnnnnncca gaaannnnnn 120  
 gggucauucc guggcugccc ccgcaacugu aangcggunn nnnnnnnnnnn nnnnnnnnnnn 180  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnaag cccgcaccgu aaannnnnnnn nnnnnnnnnnn 240  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacugaacc 300  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnuuuau aucnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360  
 nnnnnnnnggu ucgggaaggc nnggugacag gguguugaua nnnnnnnnnnn nnnnnnnnnnn 420  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nngccgcnaa agccaggaga 480  
 ccugccguuu caggaaaaag cgucu 505

<210> 225  
 <211> 505  
 <212> RNA  
 <213> Bacillus halodurans

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 225  
 auuucacgu uugggaacag gunnacguua agucnnnnnn nnnnacauga uannnnnnnn 60  
 nnnnacuuua uguuunnaaa angggaauunc cggugcnnnn nnnnnnnnnnn nnnnnnnnnnn 120  
 nnnnaaaucc ggagcggucc cngccacugu canuagcnnn nnnnnnnnnnn nnnnnnnnnnn 180  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnugag uuguuacgau auunnnnnnn nnnnnnnnnnn 240  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ucacugaccg 300  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnuuca unnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360  
 nnnnnnnnugg uugggaagac nnuguugcaa uguugacnnn nnnnnnnnnnn nnnnnnnnnnn 420  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnngcuann agccaggaga 480  
 ccugccguuu cuaacagcac ugcuu 505

<210> 226  
 <211> 505  
 <212> RNA  
 <213> Bacillus halodurans

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 226  
 uaguguuugu ggacgguaag gunngccnnn nnnnnnnnnn nnnnncgaag cnnnnnnnnn 60  
 nnnnnnnnnn ggcuunnaaa angggaagunc uggugcnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnaaaucc ggagcugucc ccgcaacugu gangugcunn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gaacggaaacg auuunnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacuguaca 300  
 uccucnnnnn nnnnnnnnnn nnnnuacuuc uunnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 ngagaaaugu augggaaggc nnuucuaagu agguaannnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnagcacnng agucaggaga 480  
 ccugccuac uuccacaagu uucgc 505

<210> 227  
 <211> 505  
 <212> RNA  
 <213> Bacillus halodurans

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 227  
 uaagcacgcu caagcauuag gunngguuca annnnnnnnn nnnnacaaucc ggnnnnnnnn 60  
 nnnnnnnuuga aucugnnaaa angggaagnc uggugannnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnaagucc agcacggunc gcgccacugu aauaagggnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnagc uacaugugag gaannnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna ccacuguccn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnaa annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnngg augggaaggu nacacaugga guguugannn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnucuuuna agucaggaga 480  
 ccugccuau guaугcacuu gcacc 505

<210> 228  
 <211> 505  
 <212> RNA  
 <213> Bacillus halodurans

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 228  
 aucguauauc gcgcugaagg gunncguuca annnnnnnnn nnnnnnnnugu nnnnnnnnnn 60  
 nnnnnnnuuga gcgugnnaaa angggaagnc cggugannnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnaaaucc gacacggunc ccgccacugu aanaugnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnggag aggcugcaa gannnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnu ccacugucnn 300

```

nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnua gcnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnngg acgggaaggg nggcaaguac ucgaugaann nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnncaunna agucaggaga 480
ccugccuuuc aguuugagug uguag 505

```

```

<210> 229
<211> 505
<212> RNA
<213> Bacillus subtilis

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 229
cggauacgaa ugucaaaauag gunngccggu ccgunnnnnnn nnnnnngaac annnnnnnnnn 60
nnnnacagcc ggcuunnaaa angggaaanc cgguannnnnn nnnnnnnnnnn nnnnnnnnnnn 120
nnnnaaagcc ggugcggunc ccgccacugu aanuuggcnn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 300
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnncaa gcnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nngccaanng agccaggaua 480
ccugccuguu ugaucagcac gaauu 505

```

```

<210> 230
<211> 505
<212> RNA
<213> Bradyrhizobium japonicum

```

```

<220>
<221> misc_feature
<222> 24-469
<223> n = g, a, c or u

```

```

<400> 230
cgauaaucca agucgucgag guuncuccgg ucnnnnnnnnn nnnnnnccau unnnnnnnnnn 60
nnnnngauccg gagcunnaag angggaaanc cggugcnnnn nnnnnnnnnnn nnnnnnnnnnn 120
nnnaaaugcc ggucuguccc ccgcaacugu gangcggnnn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnncgagcc gcuguccgac gaunnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ucgcugaagc 300
cnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnug cacnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnggcu ucgggaaggc nncggacagc agcgaugann nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnccagcnaa agccaggaga 480
ccggccccga caauauauug gucca 505

```

```

<210> 231
<211> 505
<212> RNA
<213> Bradyrhizobium japonicum

```

```

<220>
<221> misc_feature
<222> 24-468
<223> n = g, a, c or u

```

```

<400> 231
caaauggugg cccggcguug guuncucguc nnnnnnnnnnn nnnnnncuau nnnnnnnnnnn 60
nnnnnnngac aggcgnnaag angggaaung cgauangggg ccgaauccggc aangauuugg 120
guccaaaaun gcagccgccc ccgcgaccgu gaccggagnn nnnnnnnnnnn nnnnnnnnnnn 180

```



```

nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn agaugcccgga gnnnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacugaucc 300
cnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng acnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnggga ucgggaaggc nnggggaucg aaggggcaaaa ccuggnnnnn nnnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nncuccgnca agccgggaga 480
ccugccagcg cggacgauuu uggac 505

```

```

<210> 232
<211> 505
<212> RNA
<213> Bradyrhizobium japonicum

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 232
gggcacacag gacgggcaug gunngcucga gguggcgcnn nnnnnnnaaa nnnnnnnnnnn 60
nnngcgccgg agcaunnaau cngggaaung ggaungggc ggaccnagu ugcnnnnggc 120
gcccaaaacc ccagccgccc ccgcgacugu aangcggunn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnnn nnnnnnnngag gggcuccgaa ccnnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacugggcc 300
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng caannnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnggu ccgggaaggc nncggagaac cccagugann nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnaccgcng agccaggaga 480
ccggccgugc auguuugag gccaa 505

```

```

<210> 233
<211> 505
<212> RNA
<213> Bradyrhizobium japonicum

```

```

<220>
<221> misc_feature
<222> 24-469
<223> n = g, a, c or u

```

```

<400> 233
aauccuagau gcucgcgacg guunuccecc nnnnnnnnnnn nnnnnngaga nnnnnnnnnnn 60
nnnnnnnnng ggaugnnaaa angggaaung cggugcgggg annnnnnnnug uunnnnnnnnu 120
ccccaaugcc gcggcugccc ccgcaacugu aangcggnnn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnnn nnnnnnauaau ccuucgucag aannnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacuggggn 300
nnnnnnnnnn nnnnnnnnnnn nnnnnnnuccu cggunnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnnc ccgggaaggc nngacgaagu ggugacgacn nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnccgcngng agccaggaga 480
ccugccguca gccgugguca cacgc 505

```

```

<210> 234
<211> 505
<212> RNA
<213> Bradyrhizobium japonicum

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 234

```

```

ucguagauug aucggugacg gunnucuccn nnnnnnnnnn nnnnnngcac nnnnnnnnnn 60
nnnnnnnnngg agaucnnaaa angggaacng uggugcgaga uugucccaau gccgggauug 120
ucccaacgcc acggcugccc ccgcaacugu aangcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnn nnnnnnugaau cuuucgucan aunnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugggan 300
nnnnnnnnnnn nnnnnnnnnn nnnnnnaucu cggnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnuc cugggaaggc nngacguaag guaacgacn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcnnng agccaggaga 480
ccugccguca gccgugguca cacgc 505

```

```

<210> 235
<211> 505
<212> RNA
<213> Brucella melitensis

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 235
aucgcaauuu ucaggagacg gunnucggcc nnnnnnnnnn nnnnnnauug cnnnnnnnnn 60
nnnnnnnnngc ggaugnnaaa angggaacna cggugaagcc nnnnnnnnnau agnnnnnnnnn 120
ggcugaaacc gagacugccc ccgcaacugu aancgggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnn nnnnnnagagc uaucuccac aggccgcgca agcggccaaa 240
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugaaag 300
cagcnnnnnnn nnnnnnnnnn nnnnnnnnau aunnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnngcugcaa ucgggaaggc nnggaggcaa agcgaagacn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgggna agucaggaga 480
ccugccguau ccgguacccc augcu 505

```

```

<210> 236
<211> 505
<212> RNA
<213> Brucella melitensis

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 236
agugucaaac caugugacag gunnuuugcc ggnnnnnnnn nnnnaacgaa uccnnnnnnn 60
nnnnccggca auaccnnaaa angggaung cgacngacg gaccnnacg ccnnnnnnngg 120
cgucuuauc gcagccgacc ccgcgacugu agagcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnn nnnnnnagagg gaagaggcaa gccgggcaac cggcannnnn 240
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacuggaaa 300
ucnnnnnnnnn nnnnnnnnnn nnnnnnnnaga ugnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnngauuu cugggaaggc nngcuuauu cccaagacn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcnnng agccaggaga 480
ccugccguuu gcaugagggc auugc 505

```

```

<210> 237
<211> 505
<212> RNA
<213> Brucella melitensis

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

&lt;400&gt; 237

```

gccguaauac cgucaugacg gunnucucccg accgnnnnnnn nnnnnnagag nnnnnnnnnnn 60
nnnncgaagg ggauunnaau angggaacna cggugaggac gaccnnauc aannnnnnngg 120
ggccgagacc guggcugccc ccgcaacugu aangcggann nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnnn nnnnnnuugc cguucauccu cgugacgccg aaagcgucan 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacugugcc 300
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnca cnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnggc acgggaaggc nagauggacg gcgauuannn nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnuccgcna agccaggaga 480
ccugccgucu uacguagucc auugu                                     505

```

&lt;210&gt; 238

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Brucella melitensis*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 238

```

uaccuauc uuguucgag guuncuuucg auucnnnnnnn nnnnnngacn nnnnnnnnnnn 60
nnngagucgg gagcunnaag acgggaauunc cggugcgcuu gcccnnaug gunnnngggc 120
gggcaaugcc ggagcugccc ccgcaacugu aangcggcnn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnnn nnnnnngagcu uugcgcccca unnnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacuggcnn 300
nnnnnnnnnn nnnnnnnnnnn nnnnnnnngaa annnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnng ccgggaaggc nnggguggaa gcguugannn nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nngccgunng agccaggaga 480
ccugccuuga gcgugaacgu ccacg                                     505

```

&lt;210&gt; 239

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Caulobacter crescentus*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 239

```

ggucuguugc cguugucgug gunncugcgg acgnnnnnnn nnnnnnuucg nnnnnnnnnnn 60
nnnncguccg gagcunnaag angggaaggu cggugnaggg nnnnnncgug aaannnnnnnn 120
cccugaaucc ggcgcugccc ccgcaacugu gangcggann nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnnn nnnnnncgagc cgcuguccgu uucgunnnnn nnnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ucacugacgc 300
gccgaannnn nnnnnnnnnnn nnnnnnnngcu ggnnnnnnnn nnnnnnnnnnn nnnnnnnnnuu 360
cggggaugcg ucgggaaggc cagggcaggg gugacgacnn nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnccgunng agccaggaga 480
ccugccucga cagauaacgu ccucc                                     505

```

&lt;210&gt; 240

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Caulobacter crescentus*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 240

```

uagcucuagc uucgcgucag gunnuccucn nnnnnnnnnn nnnnnngaaa nnnnnnnnnn 60
nnnnnnnnnga ggaugnnaaa angggaacng agguugnann nnnnnnnnnn nnnnnnnnnn 120
nnnnaagacc ucggcugccc ccgcaacugu aangcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnncgagc uucgcgucac aunnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugggcc 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnncaa aannnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnggc cugggaaggc nngacgcca gaagcauga cnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunng agccaggaga 480
ccugcccggc gcagucguuc aucgc 505

```

&lt;210&gt; 241

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Chlorobium tepidum

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 241

```

auacucauc cgauuaugug gunngcccgc caugnannnn nnnnnngaaa nnnnnnnnnn 60
nnnncauacg ggcuunnaaa angggaauunc cggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnngagucc ggaacaguac ccgcugcugu aanuuccnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnggcug gccgcaaggc uggcgacaag guuugccgca caaunnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacuguccc 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnngu uannnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnggg augggaaggc nncggcagaa uccnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnggganna agucagaaga 480
ccugcccau auuuuuuggc uucgg 505

```

&lt;210&gt; 242

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Chlorobium tepidum

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-462

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 242

```

guucuucuc gccaugacag gugnccgggu nnnnnnnnnn nnnnnnuaaa nnnnnnnnnn 60
nnnnnnnagc cggagnnaau angggaaggu acgugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnngauucg uacacuguac ccgcaacugu acaacggunn nnnnnnuaac cgccgggcaa 180
auuccguggc cacacggaug cgcaaggcgg gcuuucagnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ucacugccgg 300
uuuuccnnnn nnnnnnnnnn nnnnnnnnuc acnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnggaaaacu gcgggaaggu nnuuggaggc gcucgaunnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngccgugaa agucaggaga 480
ccugccaguc augcauuugc accaa 505

```

&lt;210&gt; 243

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Chlorobium tepidum

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 243

```

caauaaauaa uucaguuaacg gunnuuccgg ugcccnnnnn nnnnnnggug nnnnnnnnnn 60
nngggcgccg gaaugnnaaa angggaacnc cggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaaucc gggacagugc ccgcugcugu ganuccucnn nnnnnnnnnn nnnnnnnnnn 180
nccgucggcc acaaucgggu cggcggacga ucgcuccga ugannnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngg ccacugguuc 300
gcnnnnnnnn nnnnnnnnnn nnnnnngccc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnngcgaa cggggaaggc cnggaagcga nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngggganng agucagaaga 480
ccugccguaa ugcaguaaau gcucc 505

```

&lt;210&gt; 244

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Chlorobium tepidum

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-468

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 244

```

ugaguucuuu cagcauuacg gugnccggau nnnnnnnnnn nnnnnngaaa gnnnnnnnnn 60
nnnnnnnaugc cggauinnaa angggaagnu gcgugunnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnngaaucc cacacugugc ccgcaacugu aangauggun nnnnaugucg cgcgacgaca 180
ggagcagcuc ugcuuuugug gccguugcgg aucgggugua unnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacuccgcc 300
aaccucugnn nnnnnnnnnn nnnnnnauaa cnnnnnnnnn nnnnnnnnnn nnnnnnnnca 360
cggggaaugc gggggaaggc ncugcccggg ggaacacguc gaaguaauuu cgcannnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngccaucnga agucaggaga 480
ccugccguag ugguuggcgc cgaau 505

```

&lt;210&gt; 245

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Chlorobium tepidum

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-468

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 245

```

guucuuucuc gccaugacag gugnccggau nnnnnnnnnn nnnnnnuaaa nnnnnnnnnn 60
nnnnnnnagc cggagnnaau angggaagnu acgugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnngaaucc uacacuguac ccgcaacugu acaacggnnn nnnnnnaaaa cugccgcugg 180
cagguauggc cacaugccuc aaagccgcag ccggugcacn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ucacugccag 300
gcuccnnnnn nnnnnnnnnn nnnnnnnuucc acnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnggagcgg gcgggaaggc nnugcaucgn nnnnauucaa gnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunaa agucaggaga 480
ccugccguuu acucuuugcu cgga 505

```

<210> 246  
 <211> 505  
 <212> RNA  
 <213> Clostridium acetobutylicum

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 246  
 auugcuacua aaauuuguag gunnucaacu gagnnnnnnnn nnnnnngagu nnnnnnnnnn 60  
 nnnncuuagu ugauunnaaa anaggaaunc aggugannnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnaaagcc ugagcggunc ccgccacugu aaauaaaggnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnagu uuaaguacaa uaunnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ucacuggnnn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngaa annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnnnn cugggaaggc nnguacuuua gcaaugannn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng agccaggaua 480  
 cuugccauau ucuaguaugu uuuuu 505

<210> 247  
 <211> 505  
 <212> RNA  
 <213> Clostridium acetobutylicum

<220>  
 <221> misc\_binding  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 247  
 gaaauaaauac cauauuuuag gcnnaccuan nnnnnnnnnn nnnnnnaucu nnnnnnnnnn 60  
 nnnnnnnnua gguuunnaau angggaaanu uggugannnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnaaaucc aaugcaacc ccguuacugu aunacaguun nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnna caaaaccaau gnnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnu ccacuggagn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnuu unnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnncu cugggaagga nnugguagag gcuaannnnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn naacugunng agccaggaga 480  
 ccuaccuaaa auauuaugga acuuc 505

<210> 248  
 <211> 505  
 <212> RNA  
 <213> Clostridium perfringens

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 248  
 aaauaaauau uuagaaauag gunnuaaaaua guuacnnnnn nnnnnnauuu nnnnnnnnnn 60  
 nnguacuuau auauunnaaa angggaagu gguuunnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnaaaucc cacgcggunc ccgccgcugu aanuagnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnaggag cuuuuuguac uuuaannnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacuggaa 300  
 annnnnnnnn nnnnnnnnnn nnnnnnnnuu annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnuauu uugggaaggc ncacaaaaag ugaugauann nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncuunng agccagaaga 480

ccugccuauu uuuaaaacau caaga

505

&lt;210&gt; 249

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Clostridium perfringens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-468

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 249

```

aguugauuaa cuaauaaauug gunngugnnn nnnnnnnnnn nnnnnnauuu unnnnnnnnn 60
nnnnnnnnnn cgcuunnaau angggaaung aaguuannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaagucu ucaacuaccu caguaaccgu gaagcnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnagac aaaaucucua uaunnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ucacugcaun 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnuuu uunnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng gugggaagac nngagaugga ggaagaannn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcnaa agucgggaua 480
ccugccuuuu auuaaguac uauua 505

```

&lt;210&gt; 250

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Clostridium perfringens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-468

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 250

```

auauauuuu auauuuuag gunnuugnnn nnnnnnnnnn nnnnnnauuu nnnnnnnnnn 60
nnnnnnnnnn uauuunnaaa angggaaang ugguaannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaagucc acuacagccc ccgcuacugu gauaggnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnauac aaguuuuau uugannnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacugauun 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnaua uannnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnaa uugggaaggn ngagaaauga ggauaagnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnccunua agucaggaua 480
ccugccuaaa gaucaugaac uaagc 505

```

&lt;210&gt; 251

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Clostridium perfringens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 251

```

aaauaaaaa agagcauuag gunnguunnn nnnnnnnnnn nnnnnnuagu nnnnnnnnnn 60
nnnnnnnnnn aacuunnaau angggaaang uunnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaanna acugcagccc ccgcuacugu ugnauaaggn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnngac gagaauaaaa agnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacugugau 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnaaa uannnnnnnn nnnnnnnnnn nnnnnnnnnn 360

```

nnnnnnnguc auggaaaggn nauuguuuuu ggaugannnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnuuuuunnu agccaggaga 480  
 ccugccuagu augcuauucu uauug 505

<210> 252  
 <211> 505  
 <212> RNA  
 <213> Escherichia coli

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

<400> 252  
 ccuguagcau ccacuugccg gucncunnnn nnnnnnnnnn nnnnnnnngug nnnnnnnnnn 60  
 nnnnnnnnnn naguunnaau angggaaunc cagugcnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnngaau cu ggagcuganc gcgcagcggu aangganann nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnaaggu gcgaugauug cguaugcgn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng acacugccnn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnauu cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnnnng gugggaaguc nnaucaucuc uuaguaucuu agauaccccn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnucnna agcccgaaga 480  
 ccugccggcc aacgucgcau cuggu 505

<210> 253  
 <211> 505  
 <212> RNA  
 <213> Fusobacterium nucleatum

<220>  
 <221> misc\_feature  
 <222> 24-468  
 <223> n = g, a, c or u

<400> 253  
 uuuaaua uca ugucaauuau guunccuuan nnnnnnnnnn nnnnnnnuuu unnnnnnnnn 60  
 nnnnnnnnnn anggcunnaag angggaaunu uggugannnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnngauacc aaaacgagnc ccgucgcugu aaugugannnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng uuuuucugu uuuannnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnua ccacuggaun 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnnnn uuggggaaggu anaagaaaua uaaannnnnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnucanua agucagaaga 480  
 ccugcauaau ugaauuacuc uaucu 505

<210> 254  
 <211> 505  
 <212> RNA  
 <213> Leptospira interrogans

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

<400> 254  
 aucuuggaac ggaaaacuug uuunauunnn nnnnnnnnnn nnnnnncucgu nnnnnnnnnn 60  
 nnnnnnnnnn gaugannnga angggaaunc cggucnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnaaauc ggagcugaac ccgcagcugu aanucgccga nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnaugag auuucgcau caunnnnnnn nnnnnnnnnn 240



```

nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacugcggun 300
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnuaaa unnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnnac gcgggaaggc nnugcgaaan nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn ucggcganna agccagaaga 480
ccuaacaagu aaaaaaacia acuaa 505

```

```

<210> 255
<211> 505
<212> RNA
<213> Listeria monocytogenes

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 255
guuaaaauagg ucuauguug gunnggaaug unnnnnnnnnn nnnnnnaugu nnnnnnnnnnn 60
nnnnnnnnaca uuucugnaaa gnaggaaunu cggugcnnnn nnnnnnnnnnn nnnnnnnnnnn 120
nnnnngauggc gaaacugccc ccgcaacugu aanggunnnn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnngacaa gaaucgagau nnnnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnaa ccacuguacg 300
unnnnnnnnnn nnnnnnnnnnn nnnnnnnuuuu annnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnngcgu augggaaggu uncgauuguu ggaugaannn nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnngccnaa agucaggaua 480
cucgccaauu aagacggaag caacu 505

```

```

<210> 256
<211> 505
<212> RNA
<213> Mesorhizobium loti

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 256
cuauagucan gcagucgucg gunnucnnnn nnnnnnnnnnn nnnnnnguuu unnnnnnnnnn 60
nnnnnnnnnnn ggagccnaag angggaung cggugcgggc gannnnnaau ucnnnnnnnuu 120
gcccaaugcc guggcugccc ccgcaacugu gungcggnnn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnuag uccucuccau aunnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacugaaga 300
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnuuc gnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnuuc ucgggaaggu nnggggaagg gcgcugaunn nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnccgunng agccaggaga 480
ccugccgacg acggcaaac ugaca 505

```

```

<210> 257
<211> 505
<212> RNA
<213> Mesorhizobium loti

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 257
gccuaaaucc gcuccagacg gunncccuug cennnnnnnn nnnnnncgcaa cnnnnnnnnnn 60
nnnnnnnggca ggggcunaag angggaaung cggugcgga unnnnnnnuu cgnnnnnnnna 120
ucuaaaaucc ggcgcugucc ccgcaacugu aangcgnnnn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnnn nnnnaagagc caaggccgaa agnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn ccacuggggn 300
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnacg unnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnnc ccgggaaggn nncggcaccc aaggcgaua cennnnnnnn nnnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnncgcnnng agccaggaga 480
ccugccgucu gcgacaaaag aauc 505

```

```

<210> 258
<211> 505
<212> RNA
<213> Mesorhizobium loti

```

```

<220>
<221> misc_feature
<222> 24-469
<223> n = g, a, c or u

```

```

<400> 258
auuagaucau gucaucucag gugncgcgu cgunnnnnnn nnnnnngacg nnnnnnnnnnn 60
nnnnacgggg cggagnnaau ungggaagnc cggucannnn nnnnnnnnnnn nnnnnnnnnnn 120
nnnnaagucc ggcgcugccc ccgcaacggu ggnuggagnn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnnn nnnnnuucaa gucgcaacgg gagnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnna ccacugggcn 300
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnaaa annnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnngc cugggaaggu nngucgcgac cguccgcaag gacannnnnn nnnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnccganng agcccgga 480
ccagcccag auuuugaac ucgac 505

```

```

<210> 259
<211> 505
<212> RNA
<213> Mesorhizobium loti

```

```

<220>
<221> misc_feature
<222> 24-469
<223> n = g, a, c or u

```

```

<400> 259
gugauugugc gcaugucgug guuncuccgc gcggcnnnnn nnnnnnnacu nnnnnnnnnnn 60
ngccguagcg gagcunnaag angggaagnc cggugcnnnn nnnnnnnnnnn nnnnnnnnnnn 120
nnnngauggc ggcgcugccc ccgcaacugu uangcggnnn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnnn nnnnnnncgag ccaagcccau uggunnnnnnn nnnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ucacugaggc 300
nnnnnnnnnn nnnnnnnnnnn nnnnnnnngaa cgnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnngc ucgggaagac nngggcagag gcuuugacnn nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnccgcnnng agccaggaga 480
ccugccacga cgaacaacgu ccacg 505

```

```

<210> 260
<211> 505
<212> RNA
<213> Mesorhizobium loti

```

```

<220>
<221> misc_feature
<222> 24-469

```

<223> n = g, a, c or u

<400> 260

```
aaggucgccg ccacugccug gugncccgcn nnnnnnnnnn nnnnnnecga annnnnnnnn 60
nnnnnnnnngc gggagnnaau cngggaacna cggugnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaacucc guggcgugnc ccaacgcugu aanggggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnn nnnnnngacc gcgccgguaa aunnnnnnnn nnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccacugucnn 300
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnga unnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng acgggaaggc nnaccggacg cggguugann nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnucccnng agccagaaga 480
cgggccuggc aggaucguc auccg 505
```

<210> 261

<211> 505

<212> RNA

<213> *Mesorhizobium loti*

<220>

<221> misc\_feature

<222> 23-469

<223> n = g, a, c or u

<400> 261

```
ucuacggugg gugcgugaug gunnccccgc gccnnnnnnn nnnnnngaaa nnnnnnnnnn 60
nnnnngcaag gggugnnaaa angggaacna cggugagacc unnnnnnnca aannnnnnna 120
ggucgagacc guggcguccc ccgcaacugu aangcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnagag caagauccga cannnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnug ccacuggccn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnngg caannnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng cugggaaggc anggauugcg cugagacnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcnnng agccaggaga 480
ccugccauca cugaguugac cggac 505
```

<210> 262

<211> 505

<212> RNA

<213> *Mycobacterium leprae*

<220>

<221> misc\_feature

<222> 23-469

<223> n = g, a, c or u

<400> 262

```
ccacacggcg ccaguaucga gunngaugcu nnnnnnnnnn nnnnnnagcu cnnnnnnnnn 60
nnnnnnnagc aucgcnnag angggaacnc cggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc gggacugunc ccgcagcggg aungcaggnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnaacg accgccgucu ggaannnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gcacuggucu 300
uagannnnnn nnnnnnnnnn nnnnnnnnaa aannnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnuccgaga cugggaagcn ngauggccau uagaagcacc uauccagugc gcgnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucgcnnng aguccgaaga 480
ccugccggcu gugucgggcg cgccg 505
```

<210> 263

<211> 505

<212> RNA

<213> *Mycobacterium tuberculosis*

<220>

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 263

```

cuucccguca ggcgaugacg aunnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn gcaggaagnc cggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc ggcgcggunc ccgccacugu canccgggnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnngag cgaccucgu aannnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacggccnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn aannnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng gcuggaaggc nngaggcaag caacgannnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnuccggng agccaggaga 480
cucgcgucau cgcguccugc cacc 505

```

&lt;210&gt; 264

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Mycobacterium tuberculosis

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 1-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 264

```

nnnnnuugac cacgcagcug gucnugcugg cguccgaaag ggcgucggca ucgagcgggg 60
caacgaugcu ucgcnnngag angggaacnc uggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc gggacugunc ccgcagcggu aungcaggnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnaacga ccgccgucuu ggaaguagac aannnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gcacuggucn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnuca acnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng cugggaagcn nngacggcca guaggagcac ccaccgggug cgagnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnccugcnng aguccgaaga 480
ccugccagcc gugccggagc cgccg 505

```

&lt;210&gt; 265

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Pseudomonas aeruginosa

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 265

```

agcugcgcg cuugcgacag gugnccccnn nnnnnnnnnn nnnnnngcaa nnnnnnnnnn 60
nnnnnnnnng gggugnnaaa cagggaagnc uggugcguc cnnnnnnngu cnnnnnnnnng 120
gaaccaggcc agcgcgccc ccgcaacggu agngcgannn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnauca acagccgcuc gaugannnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacugugcn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnuc cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnngc augggaagg ncgcggcugg aagcguccag cgcuucgcn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnucgcnng agcccggaga 480
ccggccugac gcacccacgg caucg 505

```

&lt;210&gt; 266

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Pseudomonas aeruginosa

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 266

```

gcuaauuagc gcgucgucg gunngcccgc cccuuucgcg nnnnnnuuag nnnnncgcgcg 60
ggccaacgag ggccgnaaag angggaacna cggagccgcg gucuunnnuu cgnaagccc 120
gggccuagcc guggcugccc ccgcaacugu aungcagccu gnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnua uucgcgccau ucnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacuggnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnauu annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn ccgggaaggc nnggcgcgaa gcggagguuc cccccccggg uggaacgcnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc gggcugcnng agccaggaga 480
ccugccgcgc aaaccagucg cgagu 505

```

&lt;210&gt; 267

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Pseudomonas aeruginosa

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 267

```

ucccauccgg cccguuccag gugncuccu gcnnnnnnnn nnnnncgcgcg cnnnnnnnnn 60
nnnnngcagg aggugnnaaa cngggaagnc cggugcguca cnnnnnnnuu cgnnnnnnng 120
ugaucagucc ggcgugccc ccgcaacggu aangcgagnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnncg aaauccucu cagnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugugcn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnuc cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnngc augggaaggc nngaggauuu cagcaccnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucgcnaa agcccggaga 480
ccggccugca acgcccuguu ggcac 505

```

&lt;210&gt; 268

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Pseudomonas aeruginosa

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 268

```

cguagccuug ccgguucgag guunccucgc cgnnnnnnnn nnnnnngcga nnnnnnnnnn 60
nnnnncggcg gggcunnaag angggaacng cggucgnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnaugcc gcggcugccc ccgcaacugu ganacggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnncgau cguaacccaa unnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugcggn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnug annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnc gcgggaaggc nnggggaacc ggcgagacg ccagannnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunng agccaggaga 480
ccugccucgu cgaucgccug gcgcg 505

```

&lt;210&gt; 269

<211> 505  
 <212> RNA  
 <213> Pseudomonas putida

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 269  
 gucuaccaug cgggcccgcg gunnuuccnn nnnnnnnnnn nnnnnnacca cnnnnnnnnn 60  
 nnnnnnnnnng gaacunnaac angggaaunc ccannnggcc ugnnnnncca auannnnnca 120  
 ggccnnaauc ggaacugccc ccgcaacugu agngugcnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnccgag ccugcuccau cgaunnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugggcn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnncugc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnngc ccgggaaggc nccgagcccg gccgugacnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngcacnnc agucaggaga 480  
 ccugccggcc uacauucacc aaccg 505

<210> 270  
 <211> 505  
 <212> RNA  
 <213> Pseudomonas putida

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

<400> 270  
 cagaugcgcg ccaguucag gugncccguc gcnnnnnnnn nnnnccgcg cnnnnnnnnn 60  
 nnnnngcgca gggugnnaaa cngggaaanc cggugcgucg ugnnnnnuug ccnnnnnnca 120  
 cgacaagucc ggugcugccc ccgcaacggu aangcgagnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnccg aaccuuuca gaunnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnna ccacugugcn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnuca annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnngc augggaaggu nngaaggguu caugcccnnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucgcna agcccggaga 480  
 ccggccugga gcuucacuug gcaac 505

<210> 271  
 <211> 505  
 <212> RNA  
 <213> Pseudomonas putida

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

<400> 271  
 uccuauagcc ucgcguucag gugncccnnn nnnnnnnnnn nnnnnnucag nnnnnnnnnn 60  
 nnnnnnnnnng gggugnnaaa cngggaaanc cggugcgucc caggcccuuc agcnagggcc 120  
 ggacaaugcc ggugcugccc ccgcaacggu aangcgagnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnu gaagcgucug unnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnna ccacugugcc 300  
 nnnnnnnnnn nnnnnnnnnn nnnnucguag uacnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnngc augggaaggu nngacgcguu ccaggagccc agcucuucnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucgcna agcccggaga 480  
 ccggccuggc guucaugaac acccc 505

<210> 272  
 <211> 505  
 <212> RNA  
 <213> *Pseudomonas putida*

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

<400> 272  
 cguagccuug ccacuucgag guuncuucg cnnnnnnnnnn nnnnnncugn nnnnnnnnnnn 60  
 nnnnnngccg aagcunnaag acgggaacng cgguacnnnn nnnnnnnnnnn nnnnnnnnnnn 120  
 nnnnnaagcc gcggcugccc ccgcaacugu aangcaccgn nnnnnnnnnnn nnnnnnnnnnn 180  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnacaac ggaucgacac annnnnnnnnn nnnnnnnnnnn 240  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacugcgcn 300  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnncaa cnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360  
 nnnnnnnngc gcggaagc nngucaucc gccagcccga acggggacau ggaannnnnn 420  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn ncggugcna agccaggaga 480  
 ccugccucgu cacguuuucg acuuu 505

<210> 273  
 <211> 505  
 <212> RNA  
 <213> *Ralstonia solanacearum*

<220>  
 <221> misc\_feature  
 <222> 32-469  
 <223> n = g, a, c or u

<400> 273  
 guuacacucg ccgcguccug gugcccgcag annnnnnnnn nnnnnngccg annnnnnnnn 60  
 nnnnnnucug caguunnaaa cngggaagnc agggagcggc cgccnnncca aacnnnnngg 120  
 ugcgccaacc ugcgcugccc ccgcaacggu aagcgaacgc cgucgaagc cgcgcuaccu 180  
 cuggccagaa gagggcgcg cgucgcgcag guccguccac aunnnnnnnn nnnnnnnnnnn 240  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacuguucn 300  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnncgc gnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360  
 nnnnnnnnga acgggaagc nnggccggac ccgnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 420  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nguucgcnc agcccggaua 480  
 ccggccagga caguggguu cagag 505

<210> 274  
 <211> 505  
 <212> RNA  
 <213> *Sinorhizobium meliloti*

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

<400> 274  
 cuuagaugag gacacucaag gugncggccu cnnnnnnnnnn nnnnnngaag nnnnnnnnnnn 60  
 nnnnggagg cggagnnaau ungggaagnc cggucannnn nnnnnnnnnnn nnnnnnnnnnn 120  
 nnnnaauccc ggcgcugccc ccgcaacggu ggnuggagcn nnnnnnnnnnn nnnnnnnnnnn 180  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnngaaca gccacggcag aagnnnnnnnn nnnnnnnnnnn 240  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacuggacn 300  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnacc gcnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360

```

nnnnnnnnngu ccggaaggc nngccgggcn nnnnaggucc cuugcggacg nnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn ngcuccanng agcccggaaa 480
ccagccuuga agcagaaaua gaccg 505

```

<210> 275

<211> 505

<212> RNA

<213> Sinorhizobium meliloti

<220>

<221> misc\_feature

<222> 24-468

<223> n = g, a, c or u

<400> 275

```

uggccauaug ccgccgucag gugncggcgn nnnnnnnnnn nnnnnngaaa unnnnnnnnn 60
nnnnnnnngc ggggggnaau cngggaagnc cggugcnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaguucc ggcacgugnc ccaacgcugu gaagggnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnngacg uucucgcaa aaagggcucu gaauuuuuu 240
agagcuuunn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacugaaua 300
nnnnnnnnnn nnnnnnnnnn nnnnnnuuga agcnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnuau ucgggaaggc nnggcgcgaa cggaugannn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnucnga agucagaaga 480
ccggccuggc gagauagacc ggccc 505

```

<210> 276

<211> 505

<212> RNA

<213> Sinorhizobium meliloti

<220>

<221> misc\_feature

<222> 23-469

<223> n = g, a, c or u

<400> 276

```

uaauuaacgc aguauggaug gunnucucuc gugccnnnnn nnnnnngagg unnnnnnnnn 60
nnggggagc ggagunnaaa unggaauung cgaaggggcg gaccnnacg ccnnnnnggg 120
cgccuuauuc gcagccgacc ccgcgacugu agaacggunn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnncag gguucgcau cgggcauuuc gccggauuuc 240
aacgcgcugc augggcaguc ucgugaagu uggcggaug ucggaaaang ccacuggcgu 300
ggcauugcga ucagccgggc aggacgccuc uucucuacg aaucguccgc cuuucgcgau 360
gccgaaaacg ccgggaaggc gaggcgagcc cguucggucu uuugccgcau cguuuuucg 420
gccgagccgg uccggcgaac gugcggccau gaggaucgug acgccgunng agccaggaga 480
ccugccaucg gucagggauc uccgc 505

```

<210> 277

<211> 505

<212> RNA

<213> Sinorhizobium meliloti

<220>

<221> misc\_feature

<222> 23-468

<223> n = g, a, c or u

<400> 277

```

cacauuaacu gggaccgacg gunnucccu acccnnnnn nnnnnnguga nnnnnnnnnn 60
nngguggagg ggauunnaau angggaacna cggugcggac gaccnnnaa gannnnngg 120
gacaaaacc guggcugccc ccgcaacugu aagcggaunn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnncgu cguucauccu uguggcgcca aggcgcann 240

```



```

nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacugcgcn 300
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnngcg uunnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnngc gcggggaaggc nagaugagcg acucunnnnn nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnguccgnug agccaggaga 480
ccugccguca aaucgaucca acguc 505

```

```

<210> 278
<211> 505
<212> RNA
<213> Sinorhizobium meliloti

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 278
gc auaccaga ucaugugaug gunnucggcc nnnnnnnnnn nncgacugaa gaacnnnnnnn 60
nnnnnnnnngc ggaugnnaaa angggaacna cggugaggac gaccnnnnau cannnnnngg 120
ggcuaaaacc guggcugccc ccgcaacugu gangcggnnn nnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnnncgag caaaguccaa ggaunnnnnn nnnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccauuggccn 300
nnnnnnnnnnn nnnnnnnnnnn nnnnnnauga aucnnnnnnn nnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnngg cugauaaggc nnggacaaag cuacgacnnn nnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nncccgcnna agccaggaga 480
ccugccauca ccuuggggcga cacgc 505

```

```

<210> 279
<211> 505
<212> RNA
<213> Streptomyces coelicolor

```

```

<220>
<221> misc_feature
<222> 24-469
<223> n = g, a, c or u

```

```

<400> 279
uaggcuggcc cgugcagcug guuncgcccc guccnnnnnnn nnnnnngcca nnnnnnnnnnn 60
nnggcgggau ggcugcgaag angggaacnc cgguggnnnnn nnnnnnnnnn nnnnnnnnnnn 120
nnnngaaucc gggacugcnc ccgcagcggg gangcggggn nnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnnaacga ccgcccgucau annnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnc gcacuggggc 300
cgnnnnnnnnn nnnnnnnnnnn nnnnnnnnacg uacnnnnnnn nnnnnnnnnn nnnnnnnnnnn 360
nnnnncgggc ccgggaagcg nnacggccag uagguguccu ccggacagga ggguggggnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nncccgcnng aguccgaaga 480
ccugccaccu gcccgcgcgc ggacc 505

```

```

<210> 280
<211> 505
<212> RNA
<213> Streptomyces coelicolor

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 280
uacgcugaug cccgcaguug gunnucgcgc cuccuguccn nnnnnngauga nnnnnnnnggu 60
cucggcggcg cgacgcnaag angggaacnc cgguggnnnnn nnnnnnnnnn nnnnnnnnnnn 120

```

```

nnnngaaucc gggacugunc ccgcagcggu ganguggggn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnaacga aagccgucaa cnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gcacugggcc 300
ccagnnnnnn nnnnnnnnnn nnnnnnnnaug agnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnuuggagc ccgggaagcn nngacggccg guaggugccc gccggugauc cgugucucccg 420
gugagcgcn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nccccacng aguccgaaga 480
ccugccacug cgcccguacg cgaug
505

```

<210> 281

<211> 505

<212> RNA

<213> Streptomyces coelicolor

<220>

<221> misc\_feature

<222> 23-469

<223> n = g, a, c or u

<400> 281

```

gcagaccgua guaucagcgg gunncaucgn nnnnnnnnnn nnnnnnccgn nnnnnnnnnn 60
nnnnnnnncg acgggnnaga cnaggaagnc cggugunnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc ggcacggucc cngccacugu ganccgggn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnngagug caccuucga cacnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugcgcn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnngc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnngc gcgggaaggc cagggaggag cgucgannnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnuccggng agucaggaca 480
cuggccuguc gcgggcccgu uccga
505

```

<210> 282

<211> 505

<212> RNA

<213> Streptomyces coelicolor

<220>

<221> misc\_feature

<222> 23-468

<223> n = g, a, c or u

<400> 282

```

uauvcucaug cucgcugucg cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnngca gngggaaunc cggugcnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc ggaacugunc ccgcaacggu gunacnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn uugcgugcau cnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cgucgunnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnncuuc gcnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnacgugcgn ncgcacgccu nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnguncc aguccgagga 480
ccugccgaca gugcgcccgg ccgcc
505

```

<210> 283

<211> 505

<212> RNA

<213> Streptomyces coelicolor

<220>

<221> misc\_feature

<222> 23-469

<223> n = g, a, c or u

<400> 283

```

acuacugucg ccacgccuug gunnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnngaa cnggggaauc cggugunnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaugcc ggugcgcccc ucgccacugu ganaucgggn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnaag uccggcuccg gccugacgg gcannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacuggauc 300
gnnnnnnnnn nnnnnnnnnn nnnnnnnncuu gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnccgu ccgggaaggc nnggagcacg ggcgguggua nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nccccgunna agccaggaga 480
ccggccaagg cgcgucgucc aucca 505

```

<210> 284  
 <211> 505  
 <212> RNA  
 <213> *Shigella flexneri*

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

```

<400> 284
ccuguagcau ccacuugccg guencunnnn nnnnnnnnnn nnnnnngugn nnnnnnnnnn 60
nnnnnnnnnn naguunnaau angggaaunc cagugcnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaau cu agagcuganc gcgcagcggg aangganann nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnaaggu gcgaugauug cguaugcgn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn acacugccnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnauc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn gugggaaguc nnaucaucuc uuaguaucuu agauaccccn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnucenna agcccgaaga 480
ccugccggcc aacgucgcau cuggu 505

```

<210> 285  
 <211> 505  
 <212> RNA  
 <213> *Shewanella oneidensis*

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

```

<400> 285
uuuugaguca accuucugug gugncuugcg augnnnnnnn nnnnnnauag nnnnnnnnnn 60
nnnncgucgc gagaunnaau cngggaaunc caguganann nnnnnnnnnn nnnnnnnnnn 120
nnnnaauucu ggcacugccc ccgcaacggg aaaaggunnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nngagagacg gccgcauunn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncg auagguguuc 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnacg aunnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnngaa cccguaaauc gcagugugca aaggucaguu ucgcguuuau cucuagugag 420
auggauuaua nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngccunna aguccggaga 480
ccggcccuaa agguguuuuu gagau 505

```

<210> 286  
 <211> 505  
 <212> RNA  
 <213> *Shewanella oneidensis*

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

&lt;400&gt; 286

```

accuauugcua uugcauuuag gucnauaaaac gccggannnn nnnnnnnnnn nnnnnnnnnn 60
ucaacccaaa uaunnnnaau angggaaunc ggggcgcugn nnnnnnnccc gunnnnnnnn 120
ncagccagcc cgaacuguac ccgcaacugu ganguagnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nuuaaaagaa gcgccuagau unnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cuagauucua 300
gauucuagnn nnnnnnnnnn nnnnnnnnauu nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
uagauucuag auucuaaagn nccuagcacc uucuuuunnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn agucaggaga 480
ccugccuauu gcuguuuucg cugcg                                     505

```

&lt;210&gt; 287

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Salmonella typhimurium

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 30-468

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 287

```

gccauaacgu aaaccaacag guuugccach nnnnnnnnnn nnnnnnnauuu nnnnnnnnnn 60
nnnnnnnnngu ggunnnnnnn angggaagng gggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnaaaucc cccgcagccc ccgcugcugu gaugcnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnugac gaccccguaa agannnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacugauch 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnngca annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnga uugggaaggn nnacgggcca ggaggacnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngcua agccagaaga 480
ccugccuguc ggugauaacc aacaa                                     505

```

&lt;210&gt; 288

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Salmonella typhimurium

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 288

```

acgguagcau ccgugggccg gucncunnnn nnnnnnnnnn nnnnnnnngug nnnnnnnnnn 60
nnnnnnnnnn naguunnaau angggaaunc cagugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnaaau cu ggagcuganc gcgcagcggu aanggannnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnaagg ugagaugaga gcguaagcan nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng acacugccnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnuc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng gcgggaaguc naucauuucu gcuaucagc caacggauaa cccnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn agcccgaaga 480
ccugccggcu aacgucgcau cuggu                                     505

```

&lt;210&gt; 289

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Thermotoga maritima

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 289

```

gaagccuccc ucaccgugcg gunnaccenn nnnnnnnnnn nnnnnnuucg nnnnnnnnnn 60
nnnnnnnnng gguucnnaaa gngggaagnc cggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnaaaucc ggcgcgqggg cgcgccaccgu ganccggggn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnngacg aaacccgcag aacnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngg ccacuggggn 300
nnnnnnnnnn nnnnnnnnnn nnnnnncgau cannnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnncc cugggaaggc nngcggggag uaggauann nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnuccggna agccgggaaa 480
cccgccgcg gugaagggga accac 505

```

&lt;210&gt; 290

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Thermoanaerobacter tengcongensis

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 290

```

ugaauauua aagccuuaug gunnccennn nnnnnnnnnn nnnnnaugau nnnnnnnnnn 60
nnnnnnnnnn gguunnaaa angggaagac gggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnngaaucc cgcgcagccc ccgcucacugu gangggannn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnggac gaagcccuag uaannnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngg ccacuguccg 300
gcacucaacu gagcgcgnnn uuaguaagga gaaaagaggg agagaaaunn ugcguucagu 360
ugagugccgg gugggaaggc nnagggugga ggaugagnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnucccnng agccaggaga 480
ccugccauaa gguuuuagaa guucg 505

```

&lt;210&gt; 291

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Thermoanaerobacter tengcongensis

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 291

```

ugaauauaaa aagccuuaug gunnccennn nnnnnnnnnn nnnnngugau nnnnnnnnnn 60
nnnnnnnnnn gguunnaaa angggaagac gggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnngaaucc cgcgcagccc ccgcucacugu gangggannn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnggac gaagcccuag uaannnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngg ccacuguccg 300
gcacucaacu gagcgcgnnn uuaguaagga gaaaagaggg agagaaaunn ugcguucagu 360
ugagugccgg augggaaggc nnagggugga ggaugagnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnucccnng agccaggaga 480
ccugccauaa gguuuuuaaa aguuc 505

```

&lt;210&gt; 292

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Vibrio cholerae

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 292

```

auacuaucag cgccaagcug gunngcuauu uagaugccnn nnnnnnugga unnnnnnnnn 60
ggcuaaaaau ggcugnnaaa angggaaunc cggugunnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaacucc ggaacuganc gcgcagcggg aangagagnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnaac gaacgcuaa acnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnng acacugcunn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnuuu cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnna gugggaaguc nngagccagu aggccaacag ugnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nncucucnna aguccgaaga 480
ccugccagca acugaguauu gcagu 505

```

&lt;210&gt; 293

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Vibrio vulnificus*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-468

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 293

```

auaguaugcg cuucaagcug gunngcuauu ugnnnnnnnn nnnnnngaagu annnnnnnnn 60
nnnnnuagau ggcugnnaaa angggaaunc cggugunnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc ggaacuganc gcgcagcggg aauagagnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnaac gaaagcuua ucannnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnng acacugcacg 300
aunnnnnnnn nnnnnnnnnn nnnnnnnngga nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnaucgu gugggaaguc nnaggcaagu agguuaacag nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnncucunug aguccgaaua 480
ccugccagca acugagcaaa cacug 505

```

&lt;210&gt; 294

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Xanthomonas campestris*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 294

```

cuaccaugcg cgccccugag gugnacugcc ggnnnnnnnn nnnnnnaauu nnnnnnnnnn 60
nnnnnccggg gguuunnaaa cngggaaunc cggugcgcgc aucgcnnncu ugnnnngcgag 120
acgcaagucc ggagcugccc ccgcaacggg ggngcgagnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnguca ggugccgcaa cagnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugugcn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnaca cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnngc auggggaaggc nngcggguacc ggaagcgcag gcuuccannn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nncucgcnnng agcccggaga 480
ccggccugag ggauugaccc ggcac 505

```

&lt;210&gt; 295

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Xanthomonas citri*

<220>

<221> misc\_feature

<222> 24-469

<223> n = g, a, c or u

<400> 295

```
cuaccaugcg cgccccugag gugnacugcc ggnnnnnnnnn nnnnnnuugg nnnnnnnnnn 60
nnnnnccggu gguuunnaaa cngggaaunc cggugcgcgg aucgcnnncu ugnnnngcgag 120
cugcaauucc ggagcugccc ccgcaacggu ggngcgaggn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnguca gaugccgcac uacnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugugcn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnagu cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnngc augggaaggc nngcggcauc ggaagcgcca gcuuccannn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucgcnaa agcccggaga 480
ccggccugag ggauugaccc ggcac 505
```

<210> 296

<211> 505

<212> RNA

<213> *Yersinia pestis*

<220>

<221> misc\_feature

<222> 39-469

<223> n = g, a, c or u

<400> 296

```
uacuugaucg uagcauugug guccggccuc augcuguunn nnnnnnauuu annnnnnnnn 60
naacaccuaa gaguunnaaa angggaaunc cggugunnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaaucc ggagcuganc gcgcagcggg aaggggannn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnaguc acggcgauag guuucuaaca nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng acacuguccn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnngca annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnngg augggaaguc nnaucgccug cucuauuucg cgccauuuau uauacacagu 420
auuuuuacug ucauaaccau ggccugauac cagagannnn nnnuccunna agcccgaaga 480
ccugccggua uuacgucgca auauu 505
```

<210> 297

<211> 506

<212> RNA

<213> *Acinetobacter calcoaceticus*

<220>

<221> misc\_feature

<222> 30-470

<223> n = g, a, c or u

<400> 297

```
cuuacacaaa uucguaacaa guuaaaagcn nnnnnnnnnn nnnnnnauuc nnnnnnnnnn 60
nnnnnnnnngc uuunnnnnnn angggaaanc uggugcnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaauac cagugcugcc cccgcaacgg uaanaaaugn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnua aaccuauua aaaaagucan uuagacuuan 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnc gccacugcau 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnngca uagnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnna ugugggaagg ugnaaauagc uugucucuuu uugagaugcn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnncauuunn gaguccggag 480
accugcuugu uacaucauac cacuca 506
```

<210> 298  
 <211> 505  
 <212> RNA  
 <213> *Agrobacterium vitis*

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 298  
 ccuaaagugg cagcguaucg gunnucugca agugunnnnnn nnnnnncaaa nnnnnnnnnn 60  
 nnacgcncgc ggaugnnaaa angggaauna cggugaggac gaccnnaag uaannnnnnng 120  
 ggccgaaacc guggcugccc ccgcaacugu ganacggnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnncgag cgauguccau caunnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccuugggccn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnncca cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnngg ccgauaaggc nnggacaaaag cccagacnnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunng agccaggaga 480  
 ccugccgaua agcaugcgcg aaagc 505

<210> 299  
 <211> 505  
 <212> RNA  
 <213> *Bacteroides fragilis*

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 299  
 uuaucuuugc ucccugaucg gunnucgaa uagnnnnnnnn nnnnnucauu ccunnnnnnnn 60  
 nnnncuaucc ggauunnaaa angggaaunc gggugunnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnaaaucc cggacagunc ccgcugcugu gaagcuccnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnngucugaa uuuccgauaa caacuguunn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugggau 300  
 accuuuuugn nnnnnnnnnn nnnnnnnuuaa annnnnnnnnn nnnnnnnnnn nnnnnnnuaga 360  
 uaaggaguca ccgggaaggc nngucggaaa caannnnnnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnggagunnc agucagaaga 480  
 ccugccgcuu aucaaaggcu guuuc 505

<210> 300  
 <211> 505  
 <212> RNA  
 <213> *Bacillus megaterium*

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 300  
 aucaaacagc aacaguaaag gunngccnnn nnnnnnnnnn nnnnnnaaga annnnnnnnnn 60  
 nnnnnnnnnn ggcuunnaau angggaaanc uggugannnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnaagacc aguacugccc ccgcaacugu aangugugn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnga cgaacgagua unnnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa ccacugugan 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnaaaa annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnnuc acgggaaggu uncucaagua gaugannnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnuacacnna agucaggaga 480



ccugucuuua uugugaaguu ucuau

505

&lt;210&gt; 301

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Leishmania major

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 1-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 301

```

nnnnnnnnnn nnnnnnucgg gugnceccunn nnnnnnnnnn nnnnnnucac nnnnnnnnnn 60
nnnnnnnnna gggugnnaaa cngggaaanc cggugaguca uguuccuuua cucaagggcg 120
ugacgagucc ggugcugccc ccgcaacggg aangcgagnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn aagcgucaaa unnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacugugcc 300
nnnnnnnnnn nnnnnnnnnn nnnnnnucca gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnggc augggaaggn nnugaugcuu ucaaggccca ggcccnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucgcnaa agcccggaga 480
ccggcccga aaaaucagau aacaa 505

```

&lt;210&gt; 302

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Propionibacterium freudenreichii

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 302

```

uguguaggcu aguagugcug guuncggcug ccnnnnnnnn nnnnnnccac nnnnnnnnnn 60
nnnnnggcag ucgucgcaag angggaaunc cggugunnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaauucc ggaacugunc ccgcagcggg canauggggn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnaac gacacaacgu aagnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gcacugggcg 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnngca annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnncgc cugggaagun naguagugga ggaagucggg agugaucucg caaugnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncccaunng aguccgaaga 480
ccugccagca gcgacaacau cuguu 505

```

&lt;210&gt; 303

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Rhodobacter capsulatus

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-468

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 303

```

gccacucagg gcgggcgcgug guunucuguc nnnnnnnnnn nnnnnncuau nnnnnnnnnn 60
nnnnnnngac aggcgnnaag angggaaung ugaagggaau ugcgacggcu uunngccgcg 120
aaaccgcacc gcagccgcc ccgcgaccgu gaccggannn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnngag ggcgccccga gnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacuggcnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnacca nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

```

```

nnnnnnnnng ccggaaggc nngggcgac cgugagggga cccccccucg cannnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnuccgnca agccgggaga 480
ccugccagcg cauggauuuc gggcg 505

```

```

<210> 304
<211> 505
<212> RNA
<213> Rhodobacter capsulatus

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 304
ggcuacucca acaggcgaug gunnucccnn nnnnnnnnnn nnnnaacugg acnnnnnnnn 60
nnnnnnnnng ggauunnaau angggaacna cggugaggau uaccennnau cannnnnnng 120
ggccuaaucc guggcugccc ccgcaacugu gangcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnncgaga cgacggucga agnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna ccacuggccc 300
ccccgnnnnn nnnnnnnnnn nnnnnnaucca cnnnnnnnnn nnnnnnnnnn nnnnnnnncg 360
gggagaacgg ccggaaggu nngacccgag ugaucgaan nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcna agucaggaga 480
ccugccaucg cucuggcguc gcaag 505

```

```

<210> 305
<211> 505
<212> RNA
<213> Rhodobacter capsulatus

```

```

<220>
<221> misc_feature
<222> 24-469
<223> n = g, a, c or u

```

```

<400> 305
gggcaccuuc gcggcagaug guuncccggc caagcnnnnn nnnnnncacn nnnnnnnnnn 60
nngcgcgccc gggugnnaaa angggauna cgguguggug uaggcnnnau cannnnnngc 120
cgccaaaucc guaacugccc ccgcaacugu aangcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnncg agcacccecc ggcannnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna ccacuggccc 300
cgnnnnnnnn nnnnnnnnnn nnnnnnacgg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnncgggg ccggaaggu nnggggaagc cagcnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcna agucaggaga 480
ccugccauca gcgucauca cgcgc 505

```

```

<210> 306
<211> 505
<212> RNA
<213> Rhodobacter sphaeroides

```

```

<220>
<221> misc_feature
<222> 22-469
<223> n = g, a, c or u

```

```

<400> 306
uguuuugugg caggggucag gngnccgcn nnnnnnnnnn nnnnnnuucg nnnnnnnnnn 60
nnnnnnnnng cggagnnaau cngggaagnc cgguggnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaaucc ggcgcgggnc ccgccgcugu gancggnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnggag cuccgggcaa gannnnnnnn nnnnnnnnnn 240

```

```

nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccaccggunn 300
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnuucn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnnnng ccgggaaggc nngcccggcg gcagaugaan nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnccgnng agccagaaga 480
ccggccugac gcagagguuc ccgcc 505

```

```

<210> 307
<211> 505
<212> RNA
<213> Sorghum bicdor

```

```

<220>
<221> misc_feature
<222> 24-469
<223> n = g, a, c or u

```

```

<400> 307
uagacugcgc ccacuuccag gugnaccugc ggcnnnnnnn nnnnnncaug nnnnnnnnnnn 60
nnngccggga gguugnnaaa cnggnaagnc cggugacgcg ugnnnnnnnau ucnnnnnnnc 120
acgccaggcc ggcgcugccc ccgcaacggu aangcacguc nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnag ucccaggcaa caacnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacugugcc 300
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnacgn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnngc augggaaggc nngccuggac ggugggcucg cgccaccnnc nnnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nggcggcna agcccggaga 480
ccggcccga agccucaggu cgca 505

```

```

<210> 308
<211> 505
<212> RNA
<213> Streptomyces griseus

```

```

<220>
<221> misc_feature
<222> 24-469
<223> n = g, a, c or u

```

```

<400> 308
uaggcugacc ggugcagcug guuncgccc guccnnnnnnn nnnnnngcca nnnnnnnnnnn 60
nnnnngcagg gugucgcaag angggaacnc cgguggnnnnn nnnnnnnnnnn nnnnnnnnnnn 120
nnnnaaaucc gggacugcnc ccgcagcggg ganguggggn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnnaacg accgccguca uannnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnc gcacugggcc 300
cnnnnnnnnnn nnnnnnnnnnn nnnnnnnngga cnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnggu cugggaagcg nnacggccac uaggugucug cccggcagac gugnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nncccgcnng aguccgaaga 480
ccugcccgcg gcccgcacgc gaccg 505

```

```

<210> 309
<211> 505
<212> RNA
<213> Stealth virus

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 309
aucgcucgcu ucaggaaacg gunnucugcc cnnnnnnnnn nnnnnngaga nnnnnnnnnnn 60
nnnnnnnggu ggaugnnaaa angggaacna cggugaagca nnnnnnnnuu aaunnnnnnn 120

```

```

ugcugaugcc gagacugccc ccgcaacugu aanccggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnagagu cauccuccua ugaucguauc uuacgauuau 240
annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccacugagca 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnuucg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnugu ucgggaaggc nnggaggacc gaugaagacn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccggna agucaggaga 480
ccugccguau ccagucaccc auggc 505

```

<210> 310

<211> 505

<212> RNA

<213> *Zymomonas mobilis*

<220>

<221> misc\_feature

<222> 23-469

<223> n = g, a, c or u

<400> 310

```

cggaauuuu uuugcauagg gunnuuccuu cnnnnnnnnn nnnnnngagu nnnnnnnnnn 60
nnnnnngaag gaannnaau unggaacna aggugcnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnaaaacc uuggcugccc cugcaacugu aanacagunn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnu gaaacgcaa aaannnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccacugaann 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnuc aannnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn ucgggaaggc nngguuguuu cgaunnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngcugunng agccaggaga 480
ccgaccuau guaaucguuc cacga 505

```

<210> 311

<211> 505

<212> RNA

<213> *Zymomonas mobilis*

<220>

<221> misc\_feature

<222> 24-468

<223> n = g, a, c or u

<400> 311

```

agcaaugagg aaggauaag guuncuuugu nnnnnnnnnn nnnnncauug nnnnnnnnnn 60
nnnnnnngca aagcunnaag angggaaanc uggugcgaaa nnnnnnnnga aannnnnnnn 120
uuucaaagcc agugcugccc ccgcaacugu aanacggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnncgagc aaagaucaaa aannnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccacugauan 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnuuau nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnua ucgggaaggc nnugaucgga cgcggugacn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunca agucaggaga 480
ccugccuuaa accaagucan ccacu 505

```

<210> 312

<211> 105

<212> DNA

<213> *Bacillus halodurans*

<220>

<221> misc\_feature

<222> 43-80

<223> n = g, a, c or t/u

<400> 312

acatgtagat atcatccctt tcgtatatac ttggagataa ggntccagga gtttctacca 60  
gatcacgta aatgatctgn actatgaagg tggaatggct cgata 105

<210> 313  
<211> 105  
<212> DNA  
<213> Bacillus halodurans

<220>  
<221> misc\_feature  
<222> 43-80  
<223> n = g, a, c or t/u

<400> 313  
aataaatcga aaacatcatt tcgtataatg gcaggaatag ggncccgca gtttctacca 60  
agctaccgta aatagcttgn actacgaaaa taatgggttt ttac 105

<210> 314  
<211> 105  
<212> DNA  
<213> Bacillus halodurans

<220>  
<221> misc\_feature  
<222> 43-80  
<223> n = g, a, c or t/u

<400> 314  
cggtctttat ataaagtacc tcatataatc ttgggaatat ggncccaaaa gtttctacct 60  
gctgaccgta aatcggcggn actatgggga aagattttgg atctt 105

<210> 315  
<211> 105  
<212> DNA  
<213> Bacillus halodurans

<220>  
<221> misc\_feature  
<222> 28-79  
<223> n = g, a, c or t/u

<400> 315  
ttaatcgagc tcaacactct tcgtatantc ctctcaatat ggngatgagg gtctctacag 60  
gtannccgta aatacctnna gctacgaaaa gaatgcagtt aatgt 105

<210> 316  
<211> 105  
<212> DNA  
<213> Bacillus halodurans

<220>  
<221> misc\_feature  
<222> 43-80  
<223> n = g, a, c or t/u

<400> 316  
atttacatta aaaaaagcac tcgtataatc gcgggaatag ggncccgcaa gtttctacca 60  
ggctgccgta aacagcctgn actacgagtg atactttgac ataga 105

<210> 317  
 <211> 105  
 <212> DNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 43-80  
 <223> n = g, a, c or t/u

<400> 317  
 agaaatcaaa taagatgaat tcgtataatc gcgggaatat ggntcgcgaa gtctctacca 60  
 agctaccgta aatggcttgn actacgtaaa catttctttc gtttg 105

<210> 318  
 <211> 105  
 <212> DNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 43-80  
 <223> n = g, a, c or t/u

<400> 318  
 catgaaatca aaacacgacc tcatataatc ttgggaatat ggncccataa gtttctaccc 60  
 ggcaaccgta aattgccggn actatgcagg aaagtgatcg ataaa 105

<210> 319  
 <211> 105  
 <212> DNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 43-80  
 <223> n = g, a, c or t/u

<400> 319  
 ttacaatata ataggaacac tcatataatc gcgtggatat ggncacgcaa gtttctaccg 60  
 ggcanccgta aantgtccgn actatgggtg agcaatggaa ccgca 105

<210> 320  
 <211> 105  
 <212> DNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 43-80  
 <223> n = g, a, c or t/u

<400> 320  
 catcttagaa aaagacattc ttgtatatga tcagtaatat ggntctgatt gtttctacct 60  
 agtaaccgta aaaaactagn actacaagaa agtttgaata aattt 105

<210> 321  
 <211> 105  
 <212> DNA  
 <213> Clostridium acetobutylicum

<220>

<221> misc\_feature

<222> 29-80

<223> n = g, a, c or t/u

<400> 321

tatataaaaa actaaatttc tcgtatacna ccggaatat ggntccggaa gtttctacct 60  
gctgnccata aantagcagn actacggggt gttattgata atata 105

<210> 322

<211> 105

<212> DNA

<213> Clostridium acetobutylicum

<220>

<221> misc\_feature

<222> 43-80

<223> n = g, a, c or t/u

<400> 322

gaaaagtaat aacatattac ccgtatatgc ttagaaatat ggntctaagc gtctctaccg 60  
gactgccgta aattgtctgn actatgggtg tttataagta tttta 105

<210> 323

<211> 105

<212> DNA

<213> Clostridium acetobutylicum

<220>

<221> misc\_feature

<222> 29-80

<223> n = g, a, c or t/u

<400> 323

aatcgtaaat atagtttaac tcatatatnt tcctgaatat ggncaggat gtttctacaa 60  
ggaancctta aantttcttn actatgagtg atttgttgt atgca 105

<210> 324

<211> 105

<212> DNA

<213> Clostridium perfringens

<220>

<221> misc\_feature

<222> 43-80

<223> n = g, a, c or t/u

<400> 324

tatgtactta tataagtata tcgtatatgc tcgacgatat ggngttgagt gtttctacta 60  
ggaggccgta aacatcctan actacgaata tataggtgat ttcta 105

<210> 325

<211> 105

<212> DNA

<213> Clostridium perfringens

<220>

<221> misc\_feature

<222> 43-80

<223> n = g, a, c or t/u

<400> 325  
 taagtgtatt aaattttaac tcgtatataa tcggtaatat ggntccgaaa gtttctacct 60  
 gctaaccgta aaatagcagn actacgagga gttgtactat aaatt 105

<210> 326  
 <211> 105  
 <212> DNA  
 <213> Clostridium perfringens

<220>  
 <221> misc\_feature  
 <222> 29-80  
 <223> n = g, a, c or t/u

<400> 326  
 aaaacggaat ataaacaaac tcgtataang ctttgaataa ggnncaaggc gtttctaccg 60  
 gaaancctta aantttccgn tctatgagtg aatttgatat actat 105

<210> 327  
 <211> 105  
 <212> DNA  
 <213> Fusobacterium nucleatum

<220>  
 <221> misc\_feature  
 <222> 29-73  
 <223> n = g, a, c or t/u

<400> 327  
 taaataattt taataaaaat tcgtataang cctaatatat ggnnaagggt gtccctaccg 60  
 ttaanccata aanttaacca gctacgaaaa atgttttact gtgtt 105

<210> 328  
 <211> 105  
 <212> DNA  
 <213> Lactococcus lactis

<220>  
 <221> misc\_feature  
 <222> 28-80  
 <223> n = g, a, c or t/u

<400> 328  
 gtctataata gaacaatctt atttatannn cctaggatat ggnnctgggc gtttctacct 60  
 cgtanccgta aantgcgagn acaataagga aattcgattt tttag 105

<210> 329  
 <211> 105  
 <212> DNA  
 <213> Listeria monocytogenes

<220>  
 <221> misc\_feature  
 <222> 43-80  
 <223> n = g, a, c or t/u

<400> 329  
 aatccgctac aataatatag tcgtataagt tcggtaatat ggnaccgttc gtttctacca 60  
 ggcaaccgta aaatgccagn gctacgagct attgtaaaat ttaat 105



<210> 330  
 <211> 105  
 <212> DNA  
 <213> *Listeria monocytogenes*

<220>  
 <221> misc\_feature  
 <222> 39-80  
 <223> n = g, a, c or t/u

<400> 330  
 ataacttaaa accgaaatac ttgtataata gttgcatnt ggngcgacga gtttctacct 60  
 ggttaccgta aataaccggn actatgagta gtttgataa agaag 105

<210> 331  
 <211> 105  
 <212> DNA  
 <213> *Oceanobacillus iheyensis*

<220>  
 <221> misc\_feature  
 <222> 43-80  
 <223> n = g, a, c or t/u

<400> 331  
 caatttttat ccaatgcctt tcgtatatcc tcgataatat ggnttcgaaa gtatctaccg 60  
 ggtcaccgta aatgatctgn actatgaagg cagaagcagg ttcgg 105

<210> 332  
 <211> 105  
 <212> DNA  
 <213> *Oceanobacillus iheyensis*

<220>  
 <221> misc\_feature  
 <222> 43-80  
 <223> n = g, a, c or t/u

<400> 332  
 tgatgtaatt gaatagaaat gcgtataatt aaggggatat ggnnccacaca gtttctacca 60  
 gaccaccgta aatgggttgn actacgcagt aattatattt gtatc 105

<210> 333  
 <211> 105  
 <212> DNA  
 <213> *Oceanobacillus iheyensis*

<220>  
 <221> misc\_feature  
 <222> 43-80  
 <223> n = g, a, c or t/u

<400> 333  
 ccgacaattg aaaatgaacc tcatataaat ttgagaatat ggnctcagaa gtttctaccc 60  
 agcancgta aatggctggn actatgaggg aagatggatc atttc 105

<210> 334  
 <211> 105  
 <212> DNA  
 <213> *Oceanobacillus iheyensis*

<220>

<221> misc\_feature

<222> 43-80

<223> n = g, a, c or t/u

<400> 334

aaaccttata tatagttttt tcatataatc gcggggatat ggnccctgcaa gtttctaccg 60  
gtttaccgta aatgaaccgn actatggaaa agcggaataat tcgat 105

<210> 335

<211> 105

<212> DNA

<213> Staphylococcus aureus

<220>

<221> misc\_feature

<222> 80

<223> n = g, a, c or t/u

<400> 335

gttaaataat ttacataaac tcatataatc taaagaatat ggcttttagaa gtttctacca 60  
tggtgccttg aacgacatgn actatgagta acaacacaat actag 105

<210> 336

<211> 105

<212> DNA

<213> Staphylococcus epidermidis

<220>

<221> misc\_feature

<222> 80

<223> n = g, a, c or t/u

<400> 336

cataaaataa tttatatgac tcatataatc tagagaatat ggcttttagaa gtttctaccg 60  
tgtcgccata aacgacacgn actatgagta acaatccaat acatt 105

<210> 337

<211> 105

<212> DNA

<213> Streptococcus agalactiae

<220>

<221> misc\_feature

<222> 29-80

<223> n = g, a, c or t/u

<400> 337

caattaaata tatgattttac ttattttatng ctgaggatnt ggnncttagc gtctctacaa 60  
gacanccgtn aantgtctan acaataagta agctaataaa tagct 105

<210> 338

<211> 105

<212> DNA

<213> Streptococcus pyogenes

<220>

<221> misc\_feature

<222> 29-80

<223> n = g, a, c or t/u

<400> 338  
 tgaattcaat aatgacatac ttatttatng ctgtgaatnt ggnncgcagc gtctctacaa 60  
 gacancntt aantgtctan acaataagta agcttttagg ctgac 105

<210> 339  
 <211> 105  
 <212> DNA  
 <213> Streptococcus pneumoniae

<220>  
 <221> misc\_feature  
 <222> 29-79  
 <223> n = g, a, c or t/u

<400> 339  
 aaaattgaat atcgttttac ttgtttatng tcgtgaatnt ggnncacgac gtttctacaa 60  
 ggtgncngg aancacctna acaataagta agtcagcagt gagat 105

<210> 340  
 <211> 105  
 <212> DNA  
 <213> Thermoanaerobacter tengcongensis

<220>  
 <221> misc\_feature  
 <222> 43-80  
 <223> n = g, a, c or t/u

<400> 340  
 aaaaatttaa taagaagcac tcatataatc ccgagaatat ggnctcgga gtctctaccg 60  
 aacaaccgta aattgttcgn actatgagtg aaagtgtacc taggg 105

<210> 341  
 <211> 105  
 <212> DNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 43-80  
 <223> n = g, a, c or t/u

<400> 341  
 aattaaatag ctattatcac ttgtataacc tcaataatat ggnnttgagg gtgtctacca 60  
 ggaanccgta aaatcctggn attacaaaat ttgtttatga cattt 105

<210> 342  
 <211> 105  
 <212> DNA  
 <213> Clostridium perfringens

<220>  
 <221> misc\_feature  
 <222> 43-80  
 <223> n = g, a, c or t/u

<400> 342  
 ataaaaaat aaattttgct tcgtataact ctaatgatat ggnattagag gtctctacca 60  
 agaancggag aanttcttgn attacgaaga aagcttattt gcttt 105

<210> 343

<211> 105  
 <212> DNA  
 <213> *Vibrio vulnificus*

<220>  
 <221> misc\_feature  
 <222> 50-80  
 <223> n = g, a, c or t/u

<400> 343  
 gactttcggc gatcaacgct tcatataatc ctaatgatat ggtttgggan gtttctacca 60  
 agagncctta aanctcttgn attatgaagt ctgtcgcttt atccg 105

<210> 344  
 <211> 228  
 <212> RNA  
 <213> *Clostridium perfringens*

<220>  
 <221> misc\_feature  
 <222> 16-201  
 <223> n = g, a, c or u

<400> 344  
 agugauggua gaggungcga aaaccnnaag naguacnaca gucugagaga aaugnnnnag 60  
 aaunnnncgu ugacnnnnga cuguuggaaa ggnngggauu cgccgaagug cagaucgggg 120  
 ncucauuccc nauuugcgcu ggaccuaugu unnnngaauan agcauagggc ugucacaaca 180  
 cuagnnnnnc cccaannnnn ncuagugcug uggagaacua ucucacgu 228

<210> 345  
 <211> 228  
 <212> RNA  
 <213> *Vibrio vulnificus*

<220>  
 <221> misc\_feature  
 <222> 16-203  
 <223> n = g, a, c or u

<400> 345  
 agugaggaua gaggungcaa aaaccnnaag naguanncac aaugggannn ggannngaau 60  
 gagannnnuc cguugagaau ugugnngaaa ggnnggaauu ugccgaagcu ggaagaauun 120  
 ncucaunngu ucugaaggcu gguucuguau unnnaaaauan aaucagaac ugucauauag 180  
 cgnnnnnnng augunnnnnn nnnugcuaua uggagggcua ucucacgc 228

<210> 346  
 <211> 228  
 <212> RNA  
 <213> *Bacillus halodurans*

<220>  
 <221> misc\_feature  
 <222> 16-206  
 <223> n = g, a, c or u

<400> 346  
 agauggggua gaggangcgg guuuunnaag naguaangcg cuugnnnnnn nnngaggau 60  
 acaacgagga nnnnnnnuaa gcgcncgaaa ggnnaaaacu cgccgaagcg ngaagaugnn 120  
 agucaagncg ucuucuugcu gggguugcau unnnngaauan aauguaacac ugucacagcn 180  
 nnnnnnnnna gauunnnnnn nnnnnngcug uggagaacua cuaacguu 228

<210> 347  
 <211> 228  
 <212> RNA  
 <213> *Bacillus subtilis*

<220>  
 <221> misc\_feature  
 <222> 16-205  
 <223> n = g, a, c or u

<400> 347  
 ggugaagaua gaggungcga ancuucnaag naguaungcc uuuggagaan agannnnnnug 60  
 gaunnnnnnnu cugugaanaa aggcnuagaaa ggnggagcgu cgccgaagca aaubaaaaccn 120  
 nccaucnggu auuauuugcu ggccgugcau unngaauan aauguaaggc ugucaagaaa 180  
 nnnnnnnnnu caunnnnnnn nnnnnuuucu uggagggcua ucucguug 228

<210> 348  
 <211> 228  
 <212> RNA  
 <213> *Clostridium acetobutylicum*

<220>  
 <221> misc\_feature  
 <222> 16-225  
 <223> n = g, a, c or u

<400> 348  
 accuuuugua gaggungcuu uaaguchnaag naguaanccg uuugnngag uunnnnnnnng 60  
 gcannnnnna acuuagauga acggnuaaaa ggnggcuuuu agccgaagca uuugauunn 120  
 nggcannnga uuauuugcu ggcuuuucan annncaacan uaugaaggc ugucacuuua 180  
 uuagunnnnu aguunnnnna uuagnguaag uggagcgua caannngu 228

<210> 349  
 <211> 228  
 <212> RNA  
 <213> *Clostridium perfringens*

<220>  
 <221> misc\_feature  
 <222> 6-208  
 <223> n = g, a, c or u

<400> 349  
 aaaganggua gaggcngcga gaaucnnaag nauuanncua aaauggannn guunnnnnnna 60  
 agunnnnnag cguagaaguu uuagnngaaa ggngauuau cgccgaaguu uuuggcunaa 120  
 uacuuuaang gcuaaaugcu gggguuguau annngaauan uauacaacac ugucacannn 180  
 nnnnnnnnnn aaannnnnnn nnnnnnnnug uggagagcua ucaucuua 228

<210> 350  
 <211> 229  
 <212> RNA  
 <213> *Clostridium perfringens*

<220>  
 <221> misc\_feature  
 <222> 16-207  
 <223> n = g, a, c or u

<400> 350  
 gaccaaagua gaggungccg uauuunnaag naguannguc auaaguagcu gacnnnnnnna 60

```

agunnnnnngu unnuuaugua ugaunngaaa ggnngauuau ggccgaagag auauuaaunn 120
nggugnnnnau uaauauuucu ggguaauaugu aunnnnnaun augcauauaa cugucacuuu 180
nnnnnnnnnn gaaannnnnnn nnnnnnnnaaa guggagugcu acaagguac 229

```

```

<210> 351
<211> 228
<212> RNA
<213> Clostridium perfringens

```

```

<220>
<221> misc_feature
<222> 16-206
<223> n = g, a, c or u

```

```

<400> 351
aacugagaua gaggcngcga ugnauunaau naguannucu uugcagaggu nnnnnnnnna 60
agcannnnnn nnauugaagc aaagnugaaa ggnnaugaau cgccgaaacc aunuagaaga 120
ggcuuuaauu cuauuagguu gggguugcau annngaauan uauguaacac ugucacaaan 180
nnnnnnnnnu uaunnnnnnn nnnnnnnuuug uggugugcua ucaugaaa 228

```

```

<210> 352
<211> 228
<212> RNA
<213> Escherichia coli

```

```

<220>
<221> misc_feature
<222> 16-167
<223> n = g, a, c or u

```

```

<400> 352
caggccagaa gaggcngcgn unugcccan naguaacggu guuggnnnag gannnnnnng 60
ccagnnnnnu ccugugauaa caccnnnnnu gggggugcau cgccgaggug auugaacng 120
cuggccancg uucanucauc ggcuaacagg gncugaaunn cccugnggu ugucaccaga 180
agcgcucgca gucgggcggu ugcgaagugg uggagcacuu cugggguga 228

```

```

<210> 353
<211> 228
<212> RNA
<213> Haemophilus influenzae

```

```

<220>
<221> misc_feature
<222> 16-205
<223> n = g, a, c or u

```

```

<400> 353
uacaaaagua gaggcngcaa uuauunnaua naguannuuu uuucagaggu gnnnnnnnnng 60
auaannnnnn cgaagaagaa aaaanngaaa ggnnaauagu ugccgaaac aaauaaaann 120
ngucgnnnuu uuguuugguu gguggcgugc ucnngaaang ggngcgacac ugucauaguu 180
nnnnnnnnuu ucugauunnn nnnnnnaacua uggagugcua cgguuguu 228

```

```

<210> 354
<211> 228
<212> RNA
<213> Oceanobacillus iheyensis

```

```

<220>
<221> misc_feature
<222> 16-205
<223> n = g, a, c or u

```

<400> 354

guuuuggaua gaggungcgg agaccnnauc naguannuau acgcggannn agggnnnaaa 60  
 ugagnnnccc uagugaagcg uaugnngaaa ggnnggauc ugccgaagcg agunngaaa 120  
 acucauucan uanacucguu ggugcugcua uunngaacia auaacagucc ugucauauag 180  
 nnnnnnnng agannnnnnn nnnnncuaua uggagggcua ucgagcug 228

<210> 355

<211> 228

<212> RNA

<213> Oceanobacillus iheyensis

<220>

<221> misc\_feature

<222> 16-206

<223> n = g, a, c or u

<400> 355

ucggugggua gaggangcau acaacnnauu naguannauc gacnnnnnnn naagaggau 60  
 acaacgauga uannnnnnngu uggunnggaa ggnnguuguu ugccgaagca nuaauaagnn 120  
 ggucagancu uauuauugcu gguacaucuu unnnngaauan aaagaugcac ugucaugcan 180  
 nnnnnnnnaa auuaagnnnn nnnnnnugca uggagaacua cugaucga 228

<210> 356

<211> 228

<212> RNA

<213> Pasteurella multocida

<220>

<221> misc\_feature

<222> 16-206

<223> n = g, a, c or u

<400> 356

uacuugugua gaggangcga ucacunnaua naguannuuu uuucugaggu gnnnnnnnnng 60  
 auaannnnnn cgaagaggaa aaagnngaaa ggnnagugac cgccgaauc aaugaaaann 120  
 ngucannnuu uugauugguu gguggcguau ucnnngaaang ganacgucau ugucauagun 180  
 nnnnnnnncu uuuuuuannn nnnnnnacua uggagcgcau cugguugg 228

<210> 357

<211> 228

<212> RNA

<213> Staphylococcus aureus

<220>

<221> misc\_feature

<222> 16-205

<223> n = g, a, c or u

<400> 357

auauuuugau gaggcngcau canaucnaug naguannaag uuuagannuu annnnnncug 60  
 ucugcnnnnn uaacagcuga auuunngaaa ggnngugcga ugccgaagcg anuuauaun 120  
 nagcannguu auauuuuguu ggacuuuuug gunnuaagag cungagaguu ugucauuauu 180  
 nnnnnnnnnn uaaannnnnn nnnnnaauaa uggagugcau cacuugua 228

<210> 358

<211> 228

<212> RNA

<213> Staphylococcus aureus

<220>

<221> misc\_feature

<222> 26-223

<223> n = g, a, c or u

<400> 358

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| aaugaguuu  | gagguugcau | guuuannauu  | naguannacu | ugunnnnnca | gaaguauuuu | 60  |
| ugguacauaa | guugannnac | aagunngaaa  | ggnnuaaaga | ugccgaaaua | gauauaanna | 120 |
| ccauaaannu | uauaucuauu | gggacaguuu  | unncgaauan | ggaacuguac | ugucacannn | 180 |
| nnnnnnnnnn | gaannnnnnn | nnnnnnnnnug | ugaugugcua | ncncuuau   |            | 228 |

<210> 359

<211> 228

<212> RNA

<213> Staphylococcus epidermidis

<220>

<221> misc\_feature

<222> 16-206

<223> n = g, a, c or u

<400> 359

|            |            |             |            |           |            |     |
|------------|------------|-------------|------------|-----------|------------|-----|
| agauuuugau | gaggcngcau | canaucnaug  | naguannaac | uuuagauaa | uugnnnucug | 60  |
| cuaannnnca | anuuannuag | aguunnaaaa  | ggngnugaga | ugccgaaug | auucauaaun | 120 |
| nagcannguu | augaaucguu | ggacuuaa    | gunnuaagag | cuaunaagu | ugucauuuuu | 180 |
| nnnnnnnnna | uaannnnnnn | nnnnnnnauaa | uggagugcau | cacuugua  |            | 228 |

<210> 360

<211> 228

<212> RNA

<213> Staphylococcus epidermidis

<220>

<221> misc\_feature

<222> 26-223

<223> n = g, a, c or u

<400> 360

|            |            |             |            |            |            |     |
|------------|------------|-------------|------------|------------|------------|-----|
| aaugaguuu  | gagguugcau | uauuannaug  | nacuannacu | uaunnnnnca | gaagucguau | 60  |
| gggacaugug | uugannnnau | aagunngaaa  | ggnnuaaaua | ugccgaaug  | auguuanuuu | 120 |
| nccaunaaau | uagcauuguu | gggacaacuu  | unncgaauan | gaaguuguac | ugucacnnnn | 180 |
| nnnnnnnnnn | uuuannnnnn | nnnnnnnnnug | ugaugugcua | ncncuuau   |            | 228 |

<210> 361

<211> 228

<212> RNA

<213> Shigella flexneri

<220>

<221> misc\_feature

<222> 16-167

<223> n = g, a, c or u

<400> 361

|             |            |            |            |            |             |     |
|-------------|------------|------------|------------|------------|-------------|-----|
| caggccagaa  | gaggcngcgn | unugcccann | naguaacggg | guuggnnnag | gannnnnnnng | 60  |
| ccagnnnnnu  | ccugugauaa | caccnnnuga | gggggugcau | cgccgaggug | auugaacgng  | 120 |
| cugggccancg | uucanucauc | ggcuacaggg | gncugaaunn | ccccugnggu | ugucaccaga  | 180 |
| agcguucgca  | gucgggpguu | ucgcaagugg | uggagcacuu | cugggguga  |             | 228 |

<210> 362

<211> 228

<212> RNA



<213> *Shewanella oneidensis*

<220>

<221> misc\_feature

<222> 16-208

<223> n = g, a, c or u

<400> 362

```
aggaacagaa gaggangcgu uaancunann ngguannguc aaucagannn ggagnnnnca 60
caaannncuc cagcgaugau ugaunnnngag ggnagauuag cgccgaggca uagaugugnn 120
guugcugnca uguuuauuguc ggucgcuuag gncugaaunn nccuaacgau ugucaccnnn 180
nnnnnnnnnu guaaunnnnn nnnnnnnngg uggagagcuu cuggugac 228
```

<210> 363

<211> 228

<212> RNA

<213> *Shewanella oneidensis*

<220>

<221> misc\_feature

<222> 16-206

<223> n = g, a, c or u

<400> 363

```
ccuuuaagua gaggcngcgc ugccunnaug nacuanncuu gugcgnnnnn nnngagggug 60
augccgcaga nnnnnnugua caagnngaaa ggncagucag cgccgaagua gcncaggunn 120
caucaannna ccgagcngcu gguuuugcau ncaaaugann ngugcaagac ugccauagun 180
nnnnnnnnnc auccnnnnnn nnnnnnacua uggagcgua ccugaagg 228
```

<210> 364

<211> 228

<212> RNA

<213> *Thermatoga maritima*

<220>

<221> misc\_feature

<222> 8-204

<223> n = g, a, c or u

<400> 364

```
gacccgancg gaggcngcgc ccgagnnaug nagueannngc ugucccnnnn nnnnaucagg 60
ggaggaauagc nnnnnngggac ggcunngaaa ggncgagagg cgccgaaggg gugcagaguu 120
ccucccngcu cugcaugccu ggggguaugg gnnngaauan ccgauaccac ugucacggag 180
gnnnnnnnnn ucnnnnnnnn nnnnucuccg uggagagccg aucggguc 228
```

<210> 365

<211> 228

<212> RNA

<213> *Thermoanaerobacter tengcongensis*

<220>

<221> misc\_feature

<222> 16-201

<223> n = g, a, c or u

<400> 365

```
aggugaggua gaggcngcgg gucaucnaag nagueannaca ugccagannn ggunnnnguua 60
aggnnnnngc cgaugaaggu gugunngaaa ggnggugncc cgccgaagcn gcguaaacuu 120
nccuaaaggu uuacgcagcu gggccuauagc cnnngaacan gguauaggac ugucacugaa 180
ggcunnnnnn ccannnnnnn nggccuucag uggagagcua ucucgcua 228
```

<210> 366  
 <211> 228  
 <212> RNA  
 <213> Thermoanaerobacter tengcongensis

<220>  
 <221> misc\_feature  
 <222> 16-205  
 <223> n = g, a, c or u

<400> 366  
 cgcauaaaaua gaggangcug ccaagcnaun nnguauuugg cgagguguaa aggagaagaa 60  
 ccuccnnnnn nnaauancuc gcugnaagaa ggnnuuuggc ugccgaaagg gugagcuugn 120  
 nuucunnuga gcucauccuu ggugguaaac nnnacaaann nguuaaccac ugucauggga 180  
 nnnnnnnnnn cnnnnnnnnn nnnnnuccca ugaagcgua uuaugca 228

<210> 367  
 <211> 228  
 <212> RNA  
 <213> Vibrio cholerae

<220>  
 <221> misc\_feature  
 <222> 16-206  
 <223> n = g, a, c or u

<400> 367  
 ucuagcagaa gaggangcac ugnncccagg cagnauguuu uguggannnn nnnngccuca 60  
 acuccaaunn nnnnnnnnac agaacauuca gggggaguag ugccgaggug aaucaaaguu 120  
 ngunnnngcu uugguuuauc gguugaacgg gncugaaunn ccnuucaac ugucaucagn 180  
 nnnnnnnncu cgaaunnnnn nnnnnncuga ugaagagcuu cugagggga 228

<210> 368  
 <211> 228  
 <212> RNA  
 <213> Vibrio cholerae

<220>  
 <221> misc\_feature  
 <222> 16-223  
 <223> n = g, a, c or u

<400> 368  
 uuucgccgua gaggangcgg uuacgnnaaa naguannucc acaguunnnn nnnnggggug 60  
 augccaaugn nnnnnaauug uggannaanaa ggncguugc cgccgaaguc aacuugcnc 120  
 caucaacnng cnaguuggcu gggguuacau unnncaauan gguguaacac ugccauagun 180  
 nnnnncuaau uuguuguuaa nnnnnnacua uggagcgua cnnuguag 228

<210> 369  
 <211> 228  
 <212> RNA  
 <213> Vibrio cholerae

<220>  
 <221> misc\_feature  
 <222> 7-207  
 <223> n = g, a, c or u

<400> 369  
 cuuaaangua gaggcngcgc uguucnnaug nagucgncca gucgunnnnn nnnnagguug 60

```

accccgaugn nnnnnnauga cuggnuuaaa ggnnguacag cgccgaagug aucguugnnn 120
cgucaunnnn aacguucgcu gggccagcau unnngaacan aaugccggac ugccauagnn 180
nnnnnnnnug uguugunnnn nnnnnnnncua uggagcgca ccuugaag 228

```

```

<210> 370
<211> 228
<212> RNA
<213> Vibrio vulnificus

```

```

<220>
<221> misc_feature
<222> 16-204
<223> n = g, a, c or u

```

```

<400> 370
uuuugcagaa gaggangcac ugnncccagg cagnauguuu uguggannnn nnnngccgca 60
acuccaaccn nnnnnnnnac agaacauuca gggggaguag ugccgaggua gaucaaaaau 120
ngcanngauu ungaucuguc gguugacuug gguugagunc ccannucaac ugucaucagc 180
nnnnnnnnnn ucannnnnnn nnnngccuga ugaagagcuu cugagaug 228

```

```

<210> 371
<211> 228
<212> RNA
<213> Vibrio vulnificus

```

```

<220>
<221> misc_feature
<222> 16-206
<223> n = g, a, c or u

```

```

<400> 371
uau cgacgua gaggcngcaa uggnuanaag naguannacu auuauunnnn nnnnggggug 60
augccaaugn nnnnnaauaa uagunngaaa ggnuauccau ugccgaagug aaugcnnna 120
uaucaannnn gcaguuugcu gggguugcau ccnngaaang gaancaacac ugccauagun 180
nnnnnnauuu aauguauann nnnnnnacua uggagcgca cuguaggu 228

```

```

<210> 372
<211> 486
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Description of Artificial Sequence:/Note=Synthetic
      construct

```

```

<220>
<221> misc_feature
<222> 1-486
<223> n = g, a, c or t/u

```

```

<220>
<221> misc_feature
<222> 28, 54, 61, 145, 161, 170, 171, 207, 208, 213, 216, 217, 219, 220, 309,
309-313
<223> r = a or g

```

```

<220>
<221> misc_feature
<222> 9, 27, 37, 50, 70, 152, 203, 204, 271-275, 320
<223> y = c or t/u

```

```
<400> 372
nnnnnnnnnyc ttatcnagag nnnnggyrga gggannynngg nnnncccnny ganrccnnnc 60
rgcaacnnny nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnrnngtg cyaantnccn rnnnnnnncar rnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnyytgrrag atragrnrnr nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn yyyyynnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnrr rrrrntttty nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480
nnnnnnn                                           486
```

```
<210> 373
<211> 504
<212> RNA
<213> Artificial Sequence
```

```
<220>
<223> Description of Artificial Sequence:/Note=Synthetic
construct
```

```
<220>
<221> misc_feature
<222> 1-504
<223> n = g, a, c or u
```

```
<220>
<221> misc_feature
<222> 75, 98, 128, 136, 139, 151, 156, 161, 297, 479, 486
<223> r = a or g
```

```
<220>
<221> misc_feature
<222> 29, 94, 143, 298, 379, 387, 474, 476, 482
<223> y = c or u
```

```
<400> 373
nnnnnnnnnn nnnnnnnnnn nnggunnnyn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnrnnnnn aannngggaa nnyyggurnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnran nnccrnnrc ngyncccgcn rcngurannn rnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnryca 300
cugnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnyg ggaaggynnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnynynnra 480
gycnragrac cngccnnnnn nnnn                                           504
```

```
<210> 374
<211> 83
<212> DNA
<213> Artificial Sequence
```

```
<220>
<223> Description of Artificial Sequence:/Note =
synthetic construct
```

```
<220>
<221> misc_feature
<222> 1-83
<223> n = g, a, c or t/u
```

```
<220>
```

<221> misc\_feature  
<222> 74, 76  
<223> r = a or g

<220>  
<221> misc\_feature  
<222> 13, 71  
<223> w = a or t/u

<220>  
<221> misc\_feature  
<222> 10, 42, 70, 73  
<223> y = c or t/u

<400> 374  
nnnnnnnnny ntwtannnnn nnnnatnngg nnnnnnnngt nyctacnnnn nnnccnnnaa 60  
nnnnnnnnny wayrnrnnnn nnn 83

<210> 375  
<211> 238  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
Synthetic construct

<220>  
<221> misc\_feature  
<222> 7-233  
<223> n = g, a, c or t/u

<220>  
<221> misc\_feature  
<222> 234, 237  
<223> r = a or g

<220>  
<221> misc\_feature  
<222> 209  
<223> y = c or t/u

<400> 375  
ctgagannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnacyt gannnnngnt nnnncnnnnn cgnrggra 238

<210> 376  
<211> 221  
<212> DNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 25  
<223> k = g or t/u

<220>  
<221> misc\_feature  
<222> 7-217

<223> n = g, a, c or t/u

<220>

<221> misc\_feature

<222> 24, 78, 79, 81, 96, 97, 213

<223> r = a or g

<220>

<221> misc\_feature

<222> 153

<223> v = g, c or a

<220>

<221> misc\_feature

<222> 1, 214, 220

<223> w = a or t/u

<220>

<221> misc\_feature

<222> 169, 221

<223> y = c or t/u

<400> 376

wagaggngcn nnnnnnnna nnnrktannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
 nnnnnnnnnn nnnnnnnrrg rnnnnnnnnn nccgarrnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnggn nnnnnnnnnn nnvaannnnn nnnnnnnnyt gtcannnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tgrwgnctw y 221

<210> 377

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:/Note =  
 Synthetic construct

<220>

<221> misc\_feature

<222> 1-54

<223> n = g, a, c or t/u

<400> 377

nnntannnnn nnatnngggn nnnnngtntc tacnnnnnnc cnnnaannnn nnnn 54

<210> 378

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:/Note =  
 synthetic construct

<220>

<221> misc\_feature

<222> 1-2, 5-6, 12-14, 18-19

<223> n = g, a, c or u

<400> 378

nnaannggga annnggunn 19

<210> 379  
 <211> 31  
 <212> RNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:/Note =  
       synthetic construct

<220>  
 <221> misc\_feature  
 <222> 3-4, 7-9, 12, 14-15, 21, 24, 28-30  
 <223> n = g, a, c or u

<220>  
 <221> misc\_feature  
 <222> 1, 10, 22, 27, 31  
 <223> r = a or g

<400> 379  
 rannccnnnr cngnncccg nrcngurnnn r

31

<210> 380  
 <211> 7  
 <212> RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:/Note =  
       synthetic construct

<220>  
 <221> misc\_feature  
 <222> 1-2  
 <223> n = g, a, c or u

<400> 380  
 nncacug

7

<210> 381  
 <211> 9  
 <212> RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:/Note =  
       synthetic construct

<220>  
 <221> misc\_feature  
 <222> 9  
 <223> n = g, a, c or u

<220>  
 <221> misc\_feature  
 <222> 1  
 <223> y = c or u

<400> 381

ygggaaggn

9

<210> 382  
 <211> 20  
 <212> RNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:/Note =  
         synthetic construct

<220>  
 <221> misc\_feature  
 <222> 1-3, 9, 13, 17  
 <223> n = g, a, c or u

<220>  
 <221> misc\_feature  
 <222> 4, 11  
 <223> r = a or g

<220>  
 <221> misc\_feature  
 <222> 7  
 <223> y = c or u

<400> 382  
 nnnragycng ranaccngcc

20

<210> 383  
 <211> 6  
 <212> RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:/Note =  
         synthetic construct

<400> 383  
 cugaga

6

<210> 384  
 <211> 20  
 <212> RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:/Note =  
         synthetic construct

<220>  
 <221> misc\_feature  
 <222> 2-9, 15-19  
 <223> n = g, a, c or u

<400> 384  
 annnnnnnna ccugnnnnnc

20

<210> 385  
 <211> 19



<212> RNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 14  
<223> d = g, a, or u

<220>  
<221> misc\_feature  
<222> 2-7, 9-11  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 18  
<223> r = a or g

<400> 385  
unnnnnngnn ncgdaggra

19

<210> 386  
<211> 9  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 9  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 6  
<223> r = a or g

<220>  
<221> misc\_feature  
<222> 3, 7  
<223> y = c or u

<400> 386  
agyccrygn

9

<210> 387  
<211> 50  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>

<221> misc\_feature

<222> 10, 15

<223> k = g or u

<220>

<221> misc\_feature

<222> 1, 11, 14, 30-32

<223> n = g, a, c or u

<220>

<221> misc\_feature

<222> 7, 12, 18-21, 27, 43-44, 48-50

<223> r = a or g

<220>

<221> misc\_feature

<222> 4-6, 17, 37

<223> y = c or u

<400> 387

ngayyyrguk nrankcyrrr rccgacrgun nnagucyggga ugrragarr

50

<210> 388

<211> 18

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>

<221> misc\_feature

<222> 1-2, 9-10, 13-16, 18

<223> n = g, a, c or u

<220>

<221> misc\_feature

<222> 7

<223> y = c or u

<220>

<221> misc\_feature

<222> 17

<223> r = a or g

<400> 388

nngugcyann ccnnnnrn

18

<210> 389

<211> 14

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>

<221> misc\_feature

<222> 1, 3-4, 6-7, 14  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 5, 11  
<223> r = a or g

<220>  
<221> misc\_feature  
<222> 2  
<223> y = c or u

<400> 389  
nynnrnngau ragn

14

<210> 390  
<211> 3  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<400> 390  
gag

3

<210> 391  
<211> 2  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 1-2  
<223> n = g, a, c or u

<400> 391  
nn

2

<210> 392  
<211> 2  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 1-2  
<223> n = g, a, c or u

<400> 392  
nn

2

<210> 393  
 <211> 44  
 <212> RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:/Note =  
 synthetic construct

<220>  
 <221> misc\_feature  
 <222> 1-8, 14-22, 32-44  
 <223> n = g, a, c or u

<220>  
 <221> misc\_feature  
 <222> 9-10, 29  
 <223> r = a or g

<220>  
 <221> misc\_feature  
 <222> 23, 31  
 <223> y = c or u

<400> 393  
 nnnnnnnnrr aggnnnnnnn nnygccgarg ynnnnnnnnn nnnn

44

<210> 394  
 <211> 28  
 <212> RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:/Note =  
 synthetic construct

<220>  
 <221> misc\_feature  
 <222> 1-12, 18-28  
 <223> n = g, a, c or u

<220>  
 <221> misc\_feature  
 <222> 13  
 <223> r = a or g

<220>  
 <221> misc\_feature  
 <222> 14  
 <223> y = c or u

<400> 394  
 nnnnnnnnnn nnryuggnnn nnnnnnnnn

28

<210> 395  
 <211> 2  
 <212> RNA  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:/Note =  
synthetic construct

<400>395

aa

2

<210> 396

<211> 17

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>

<221> misc\_feature

<222> 1-11

<223> n = g, a, c or u

<220>

<221> misc\_feature

<222> 12

<223> y = c or u

<400> 396

nnnnnnnnnn nyuguca

17

<210> 397

<211> 11

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>

<221> misc\_feature

<222> 6

<223> n = g, a, c or u

<220>

<221> misc\_feature

<222> 7

<223> r = a or g

<220>

<221> misc\_feature

<222> 10

<223> w = a or u

<220>

<221> misc\_feature

<222> 11

<223> y = c or u

<400> 397

uggagnrcuw y

11

<210> 398  
 <211> 20  
 <212> RNA  
 <213> Arabidopsis thaliana

<220>  
 <221> misc\_feature  
 <222> 2-9, 17-19  
 <223> n = g, a, c or u

<400> 398  
 annnnnnnna ccugaunnng

20

<210> 399  
 <211> 22  
 <212> RNA  
 <213> Arabidopsis thaliana

<220>  
 <221> misc\_feature  
 <222> 14  
 <223> d = g, a, or u

<220>  
 <221> misc\_feature  
 <222> 2-7, 9-11, 20-22  
 <223> n = g, a, c or u

<220>  
 <221> misc\_feature  
 <222> 18  
 <223> r = a or g

<400> 399  
 unnnnnncnn ncgdaggran nn

22

<210> 400  
 <211> 7  
 <212> RNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 1-7  
 <223> n = g, a, c or u

<400> 400  
 nnnnnnn

7

<210> 401  
 <211> 3  
 <212> RNA  
 <213> Bacillus subtilis

<400> 401  
 gag

3

<210> 402  
 <211> 2  
 <212> RNA

<213> Bacillus subtilis

<220>

<221> misc\_feature

<222> 1-2

<223> n = g, a, c or u

<400> 402

nn

2

<210> 403

<211> 2

<212> RNA

<213> Bacillus subtilis

<220>

<221> misc\_feature

<222> 1-2

<223> n = g, a, c or u

<400> 403

nn

2

<210> 404

<211> 38

<212> RNA

<213> Bacillus subtilis

<220>

<221> misc\_feature

<222> 1-8, 14-20, 30-38

<223> n = g, a, c or u

<220>

<221> misc\_feature

<222> 9-10, 27

<223> r = a or g

<220>

<221> misc\_feature

<222> 21, 29

<223> y = c or u

<400> 404

nnnnnnnnrr aggnnnnnnnn ygccgargyn nnnnnnnn

38

<210> 405

<211> 23

<212> RNA

<213> Bacillus subtilis

<220>

<221> misc\_feature

<222> 1-9, 15-23

<223> n = g, a, c or u

<220>

<221> misc\_feature

<222> 10

<223> r = a or g

<220>  
 <221> misc\_feature  
 <222> 11  
 <223> y = c or u  
  
 <400> 405  
 nnnnnnnnnnr yuggnnnnnnn nnn 23  
  
 <210> 406  
 <211> 2  
 <212> RNA,  
 <213> Bacillus subtilis  
  
 <400> 406  
 aa 2  
  
 <210> 407  
 <211> 15  
 <212> RNA  
 <213> Bacillus subtilis  
  
 <220>  
 <221> misc\_feature  
 <222> 1-9  
 <223> n = g, a, c or u  
  
 <220>  
 <221> misc\_feature  
 <222> 10  
 <223> y = c or u  
  
 <400> 407  
 nnnnnnnnnny uguca 15  
  
 <210> 408  
 <211> 11  
 <212> RNA  
 <213> Bacillus subtilis  
  
 <220>  
 <221> misc\_feature  
 <222> 6  
 <223> n = g, a, c or u  
  
 <220>  
 <221> misc\_feature  
 <222> 7  
 <223> r = a or g  
  
 <220>  
 <221> misc\_feature  
 <222> 10  
 <223> w = c or u  
  
 <220>  
 <221> misc\_feature  
 <222> 11  
 <223> y = c or u  
  
 <400> 408  
 uggagnrcuw y 11



<210> 409  
<211> 20  
<212> RNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 2-3, 11, 15  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 1, 16, 19-20  
<223> r = a or g

<220>  
<221> misc\_feature  
<222> 8  
<223> y = c or u

<400> 409  
rnngugcyaa nuccnrcarr

20

<210> 410  
<211> 14  
<212> RNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 5-6, 11, 14  
<223> r = a or g

<220>  
<221> misc\_feature  
<222> 1-2  
<223> y = c or u

<400> 410  
yyugrragau ragr

14